

NEWFIELD



October 26, 2006

State of Utah
Division of Oil, Gas & Mining
Attn: Diana Whitney
1594 West North Temple - Suite 1210
P.O. Box 145801
Salt Lake City, Utah 84114-5801

RE: Applications for Permit to Drill

Federal 1-28-9-16	Federal 9-28-9-16
Federal 2-28-9-16	Federal 10-28-9-16
Federal 3-28-9-16	Federal 11-28-9-16
Federal 4-28-9-16	Federal 12-28-9-16
Federal 5-28-9-16	Federal 13-28-9-16
Federal 6-28-9-16	Federal 14-28-9-16
Federal 7-28-9-16	Federal 15-28-9-16
Federal 8-28-9-16	Federal 16-28-9-16

Dear Diana:

Enclosed find APD's on the above referenced wells. The proposed 1-28-9-16, 5-28-9-16, 9-28-9-16, and 13-28-9-16 locations are Exception Locations. Our Land Department will send you the required Exception Location Letters. If you have any questions, feel free to give either Dave Allred or myself a call.

Sincerely,

Mandie Crozier
Regulatory Specialist

mc
enclosures

RECEIVED

OCT 27 2006

DIV. OF OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

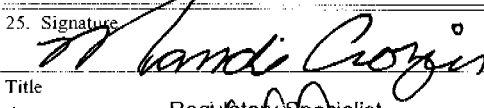

FORM APPROVED
OMB No. 1004-0136
Expires January 31, 2004

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU-74392
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name N/A
2. Name of Operator Newfield Production Company		7. If Unit or CA Agreement, Name and No. N/A
3a. Address Route #3 Box 3630, Myton UT 84052		8. Lease Name and Well No. Federal 4-28-9-16
3b. Phone No. (include area code) (435) 646-3721		9. API Well No. 43-013-33407
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface NW/NW 560' FNL 494' FWL 574148X 40.007589 At proposed prod. zone 4428751Y -110.131275		10. Field and Pool, or Exploratory Monument Butte
11. Sec., T., R., M., or Blk. and Survey or Area NW/NW Sec. 28, T9S R16E		12. County or Parish Duchesne
13. State UT		
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 494' f/lse, NA f/unit	16. No. of Acres in lease 2080.00	17. Spacing Unit dedicated to this well 40 Acres
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1142'	19. Proposed Depth 5960'	20. BLM/BIA Bond No. on file UTB000192
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 6157' GL	22. Approximate date work will start* 1st Quarter 2007	23. Estimated duration Approximately seven (7) days from spud to rig release.

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

- Well plat certified by a registered surveyor.
- A Drilling Plan.
- A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
- Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
- Operator certification.
- Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature 	Name (Printed/Typed) Mandie Crozier	Date 10/12/06
Title Regulatory Specialist		
Approved by (Signature) 	Name (Printed/Typed) BRADLEY G. HILL Office ENVIRONMENTAL MANAGER	Date 10-30-06
Title		

Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*(Instructions on reverse)

Federal Approval of this
Action is Necessary

RECEIVED

OCT 27 2006

DIV. OF OIL, GAS & MINING

1910
Brass Cap

N89°57'W - 80.16 (G.L.O.) 2648.15' (Meas.)

S89°33'59"W - 2660.02' (Meas.)

N89°57'W G.L.O. (Basis of Bearings)

1910
Brass Cap

1910
Brass Cap

N00°18'34"W - 2641.01' (Meas.)

N00°09'50"W - 2645.58' (Meas.)

1910
Brass Cap

1910
Brass Cap

as.) $N00^{\circ}00'20''E - 2645.53' (Meas.)$

$N00^{\circ}00'03''E - 2646.43'$ (Meas.)

1910
Brass Cap


1910
Brass Cap

1910
Brass Cap

$N89^{\circ}48'58''E - 2641.25'$ (Meas.)

$N89^{\circ}54'55''E - 2644.74'$ (Meas.)

S89°58'E - 80.14 (G.L.O.)

 = SECTION CORNERS LOCATED

BASIS OF ELEV;
U.S.G.S. 7-1/2 min QUAD (MYTON SW)

9 MILE 4-28-9-16
(Surface Location) NAD 83
LATITUDE = 40° 00' 27.32"
LONGITUDE = 110° 07' 55.20"

WELL LOCATION, 9 MILE 4-28-9-16,
LOCATED AS SHOWN IN THE NW 1/4 NW
1/4 OF SECTION 28, T9S, R16E,
S.L.B.&M. DUCHESNE COUNTY, UTAH.



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS
PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS
MADE BY ME OR UNDER MY SUPERVISION AND THAT
THE SAME ARE TRUE AND CORRECT TO THE BEST OF
MY KNOWLEDGE AND BELIEF. No. 189377

[Signature]

~~STACY W~~

REGISTERED LAND SURVEYOR

REGISTRATION No. 120377

STATE OF DEPARTMENT OF U

TRI STATE LAND SURVEYING & CONSULTING

180 NORTH VERNAL AVE. - VERNAL, UTAH 84078

(435) 781-2501

DATE SURVEYED:
07-07-06

SURVEYED BY: C.M.

DATE DRAWN:
07-12-06

DRAWN BY: F.T.M.

REVISÉ:

SCALE: 1" = 1000'

NEWFIELD PRODUCTION COMPANY
FEDERAL #4-28-9-16
NW/NW SECTION 28, T9S, R16E
DUCHESNE COUNTY, UTAH

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. GEOLOGIC SURFACE FORMATION:

Uinta formation of Upper Eocene Age

2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:

Uinta	0' - 2560'
Green River	2560'
Wasatch	5960'

3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:

Green River Formation 2560' - 5960' - Oil

4. PROPOSED CASING PROGRAM

Please refer to the Monument Butte Field Standard Operation Procedure (SOP).

5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

Please refer to the Monument Butte Field SOP. See Exhibit "C".

6. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:

Please refer to the Monument Butte Field SOP.

7. AUXILIARY SAFETY EQUIPMENT TO BE USED:

Please refer to the Monument Butte Field SOP.

8. TESTING, LOGGING AND CORING PROGRAMS:

Please refer to the Monument Butte Field SOP.

9. ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:

The anticipated maximum bottom hole pressure is 1800 psi. It is not anticipated that abnormal temperatures will be encountered.

10. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:

Please refer to the Monument Butte Field SOP.

**NEWFIELD PRODUCTION COMPANY
FEDERAL #4-28-9-16
NW/NW SECTION 28, T9S, R16E
DUCHESNE COUNTY, UTAH**

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. EXISTING ROADS

See attached Topographic Map "A"

To reach Newfield Production Company well location site Federal #4-28-9-16 located in the NW 1/4 NW 1/4 Section 28, T9S, R16E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.6 miles \pm to the junction of this highway and UT State Hwy 53; proceed southeasterly along Hwy 53 - 11.0 miles \pm to it's junction with an existing road to the northeast; proceed northeasterly and then southwesterly - 10.1 miles \pm to it's junction with an existing road to the southeast - proceed southeasterly - 0.2 miles \pm to it's junction with the beginning of an existing two track road; proceed along the existing two track road - 1,780' \pm to it's junction with the beginning of the proposed access road; proceed northeasterly along the proposed access road - 170' \pm to the proposed well location.

2. PLANNED ACCESS ROAD

See Topographic Map "B" for the location of the proposed access road.

3. LOCATION OF EXISTING WELLS

Refer to Exhibit "B".

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

All permanent surface equipment will be painted Carlsbad Canyon.
Please refer to the Monument Butte Field Standard Operating Procedure (SOP).

5. LOCATION AND TYPE OF WATER SUPPLY

Please refer to the Monument Butte Field SOP. See Exhibit "A".

6. SOURCE OF CONSTRUCTION MATERIALS

Please refer to the Monument Butte Field SOP.

7. METHODS FOR HANDLING WASTE DISPOSAL

Please refer to the Monument Butte Field SOP.

8. ANCILLARY FACILITIES

Please refer to the Monument Butte Field SOP.

9. **WELL SITE LAYOUT**

See attached Location Layout Diagram.

10. **PLANS FOR RESTORATION OF SURFACE**

Please refer to the Monument Butte Field SOP.

11. **SURFACE OWNERSHIP** - Bureau Of Land Management (Proposed location and access roads leading to).

12. **OTHER ADDITIONAL INFORMATION**

The Archaeological Resource Survey and Paleontological Resource Survey for this area are attached. MOAC Report #06-175. Paleontological Resource Survey prepared by, Wade E. Miller, 4/26/06. See attached report cover pages, Exhibit "D".

Newfield Production Company requests 260' of disturbed area be granted in Lease UTU-74392 to allow for construction of the planned access road. **Refer to Topographic Map "B"**. For the planned access road a temporary width of 60' will be needed for construction purposes with a permanent width of 30' and a running surface of 18'. The construction phase of the planned access road will last approximately (5) days. The planned access road will be an 18' crown road (9' either side of the centerline) with drainage ditches along either side of the proposed road whether it is deemed necessary in order to handle any run-off from normal meteorological conditions that are prevalent to this area. The maximum grade will be less than 8%. There will be no culverts required along this access road. There will be barrow ditches and turnouts as needed along this road. There are no fences encountered along this proposed road. There will be no new gates or cattle guards required. All construction material for this access road will be borrowed material accumulated during construction of the access road.

Newfield Production Company requests 2,830' of disturbed area be granted in Lease UTU-74392 to allow for construction of the proposed gas lines. It is proposed that the disturbed area will temporarily be 50' wide to allow for construction of a buried 6" gas gathering line, and a buried 3" poly fuel gas line and 30' wide upon completion of the proposed gas lines. Both lines will tie in to the existing pipeline infrastructure. **Refer to Topographic Map "C."** For a ROW plan of development, please refer to the Monument Butte Field SOP.

Surface Flow Line

For all new wells, Newfield Exploration requests that a 30' Right of way be granted to allow for construction of up to a 14" bundled pipe. **Refer to Topographic Map "D"** for the proposed location of the proposed flow line. Flow lines will be tan and will be constructed using the following procedures:

Clearing and Grading: the proposed flow line will be placed on the surface of the ground. As such no grading or clearing will be needed. The flow line will be centered staked every 200 feet prior to the installation. The flow line will be as close to the access road as possible without interfering with the normal road travel, or road maintenance. All flow lines will be buried under roads at crossings and will cross roads only where existing gas pipeline corridors exist.

Installation for portions along existing roads, lengths of pipe will be laid in the barrow ditch, welded together and moved into place. For lines that go cross-country minimal access will be needed only for maintenance purpose. It is in the best interest of Newfield Exploration to avoid

wet and saturated ground that would cause ruts greater than 3 inches in depth. Disturbed areas will be reclaimed within 120 days of the end of the installation.

Termination and final restoration: A notice of abandonment will be filed with the BLM for final recommendations regarding surface reclamation. After abandonment the flow line will be removed, and any surface disturbance will be reclaimed according to the standards and specifics set by the BLM

Water Disposal

Immediately upon first production, all produced water will be confined to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project.

Water not meeting quality criteria, is disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E) or at State of Utah approved surface disposal facilities.

Threatened, Endangered, And Other Sensitive Species

None For the Proposed Federal 4-28-9-16

Reserve Pit Liner

A 12 mil liner with felt is required. Please refer to the Monument Butte Field SOP.

Location and Reserve Pit Reclamation

Please refer to the Monument Butte Field SOP.

The following seed mixture will be used on the topsoil stockpile, to the recontoured surface of the reserve pit, and for final reclamation: (All poundages are in pure live seed)

Western Wheatgrass	<i>Pascopyrum Smithii</i>	6 lbs/acre
Galletta Grass	<i>Hilaria Jamesii</i>	6 lbs/acre

Details of the On-Site Inspection

The proposed Federal #4-28-9-16 was on-sited on 7/28/06. The following were present: Shon Mckinnon (Newfield Production), Chris Carusona (Bureau of Land Management), and Brandon McDonald (Bureau of Land Management). Weather conditions were clear and ground cover was 100% open.

13. LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION

Representative

Name: Shon Mckinnon
Address: Route #3 Box 3630
Myton, UT 84052
Telephone: (435) 646-3721

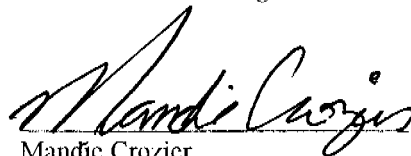
Certification

Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #4-28-9-16 NW/NE Section 28, Township 9S, Range 16E, Lease UTU-74392 Duchesne County, Utah; and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by US Specialty Insurance #B001832.

I hereby certify that the proposed drill site and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Newfield Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

10/26/06

Date



Mandie Crozier

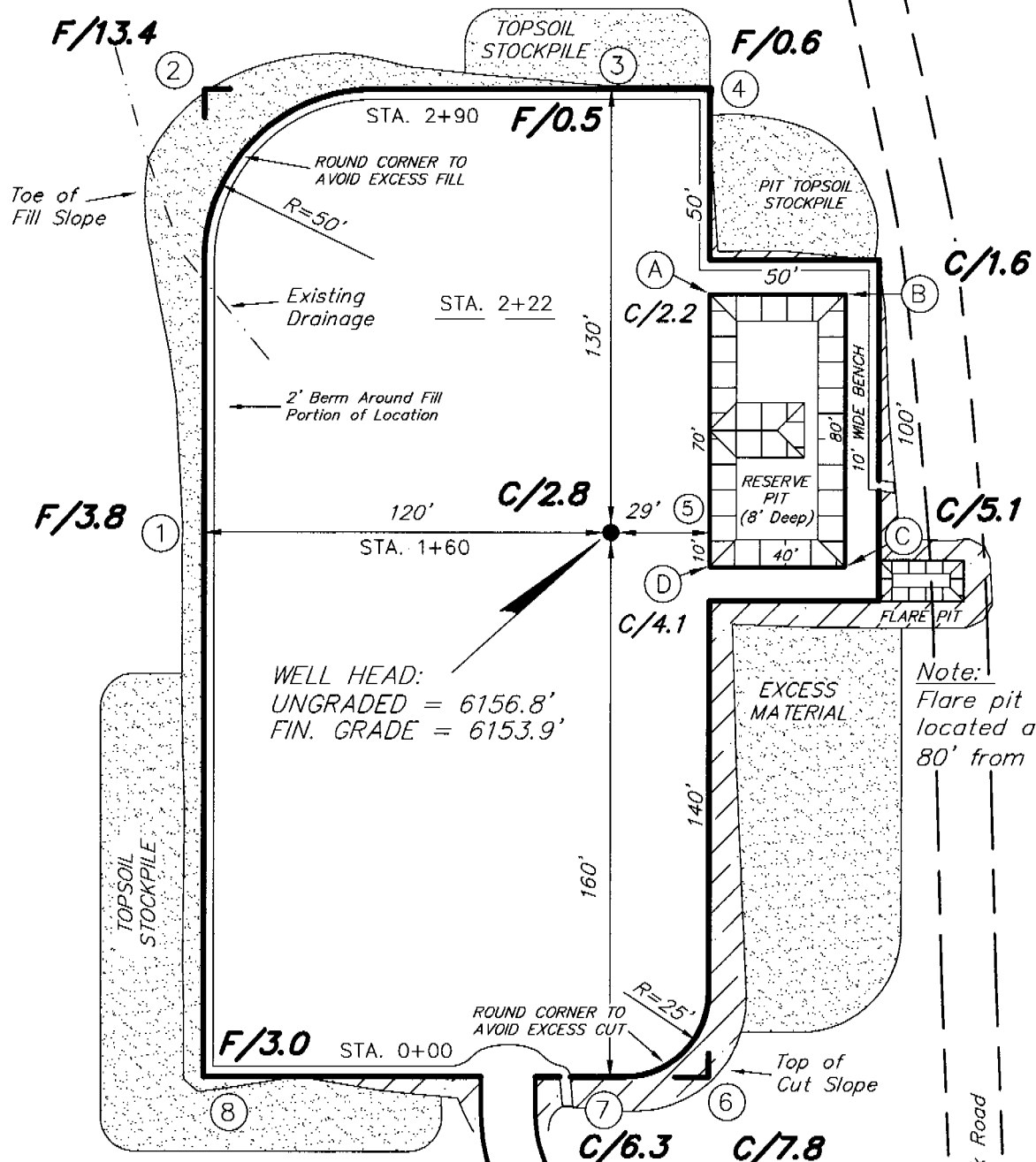
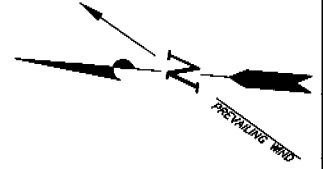
Regulatory Specialist

Newfield Production Company

NEWFIELD PRODUCTION COMPANY

9 MILE 4-28-9-16

Section 28, T9S, R16E, S.L.B.&M.



REFERENCE POINTS

180' EASTERLY = 6150.0'
 230' EASTERLY = 6141.9'
 170' NORTHERLY = 6147.1'
 220' NORTHERLY = 6144.8'

PROPOSED ACCESS
 ROAD (Max. 6% Grade)

SURVEYED BY: C.M.

SCALE: 1" = 50'

DRAWN BY: F.T.M.

DATE: 07-12-06

Tri State
 Land Surveying, Inc.

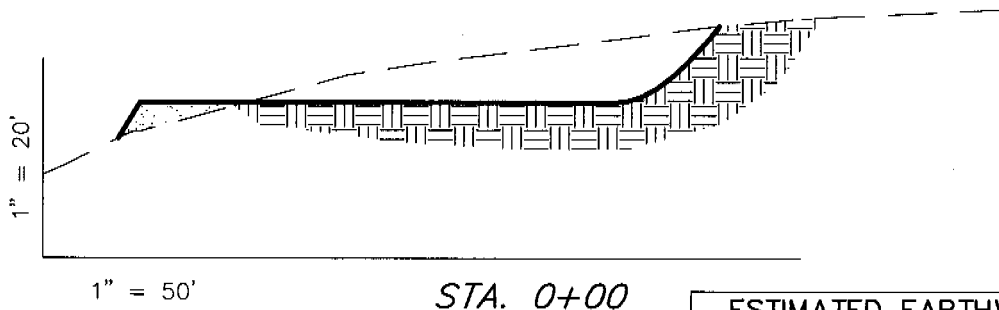
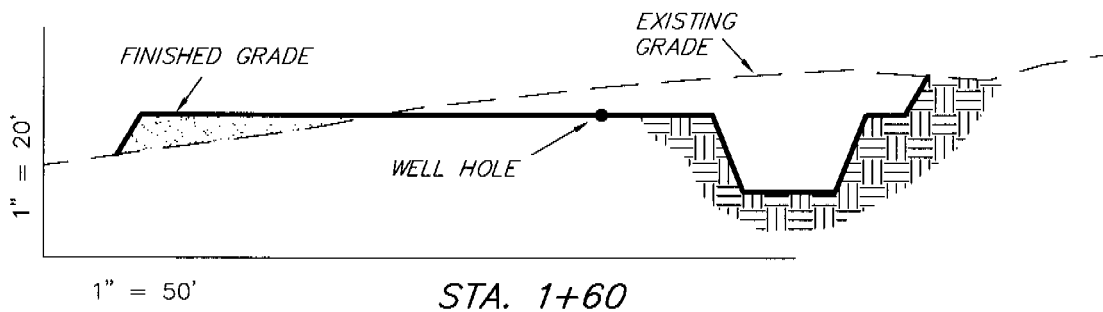
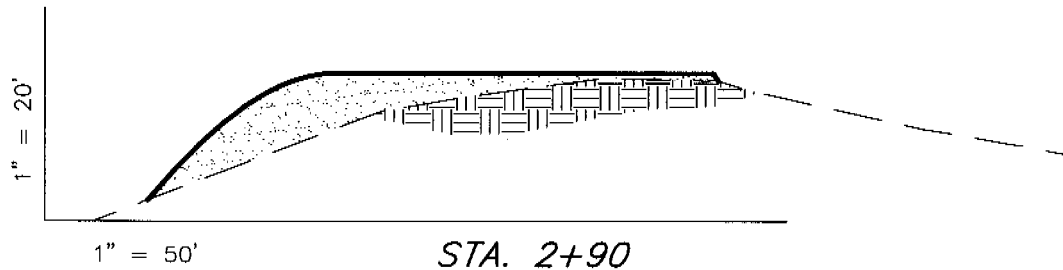
(435) 781-2501

180 NORTH VERNAL AVE. VERNAL, UTAH 84078

NEWFIELD PRODUCTION COMPANY

CROSS SECTIONS

9 MILE 4-28-9-16



NOTE:
UNLESS OTHERWISE NOTED
ALL CUT/FILL SLOPES ARE
AT 1.5:1

ESTIMATED EARTHWORK QUANTITIES (No Shrink or swell adjustments have been used) (Expressed in Cubic Yards)

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	2,830	2,830	Topsoil is not included in Pad Cut	0
PIT	640	0		640
TOTALS	3,470	2,830	1,020	640

SURVEYED BY: C.M.

SCALE: 1" = 50'

DRAWN BY: F.T.M.

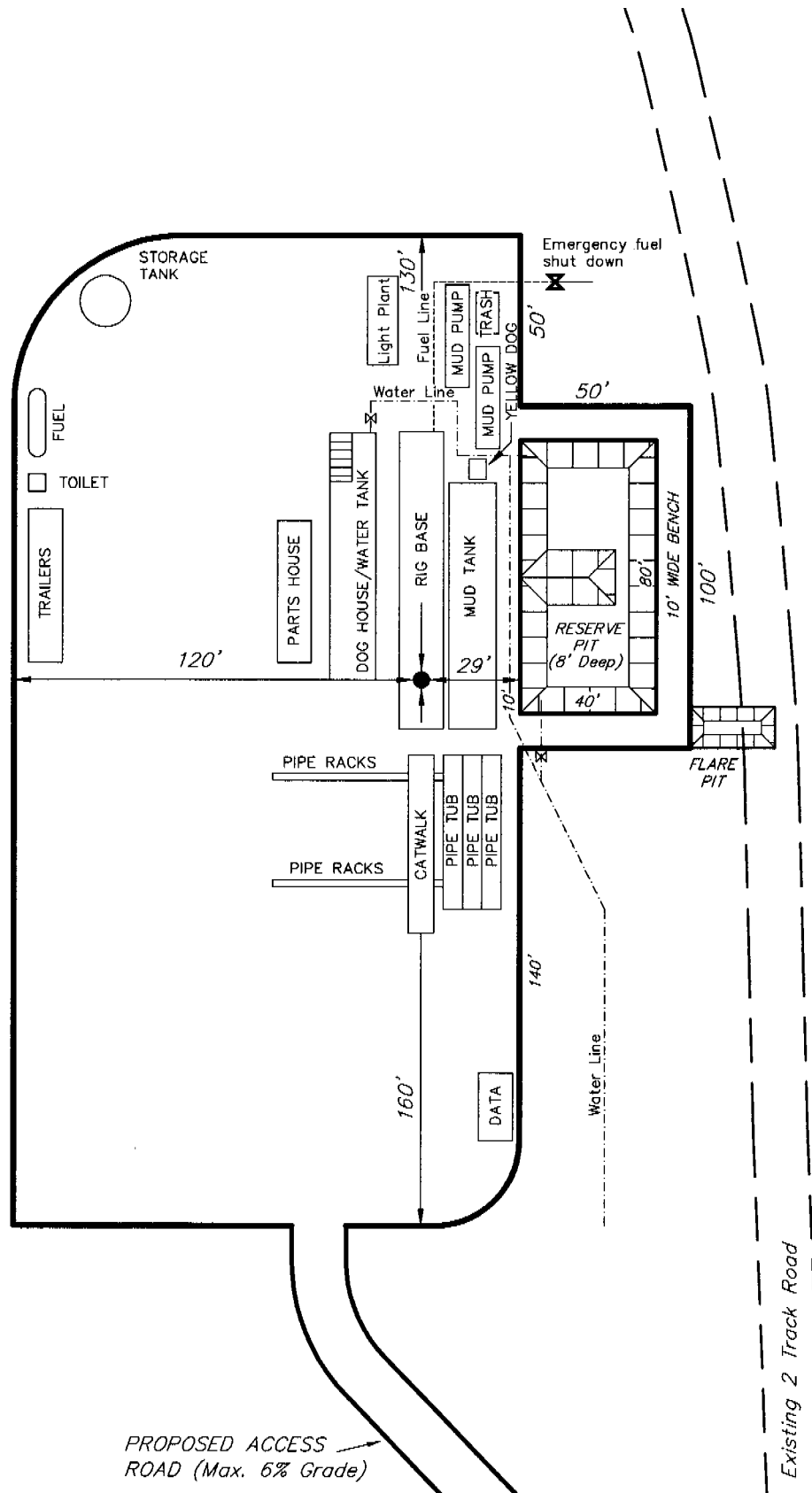
DATE: 07-12-06

Tri State
Land Surveying, Inc.
(435) 781-2501
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

NEWFIELD PRODUCTION COMPANY

TYPICAL RIG LAYOUT

9 MILE 4-28-9-16



SURVEYED BY: C.M.

SCALE: 1" = 50'

DRAWN BY: F.T.M.

DATE: 07-12-06

Tri State
Land Surveying, Inc.

(435) 781-2501

180 NORTH VERNAL AVE. VERNAL, UTAH 84078

Newfield Production Company

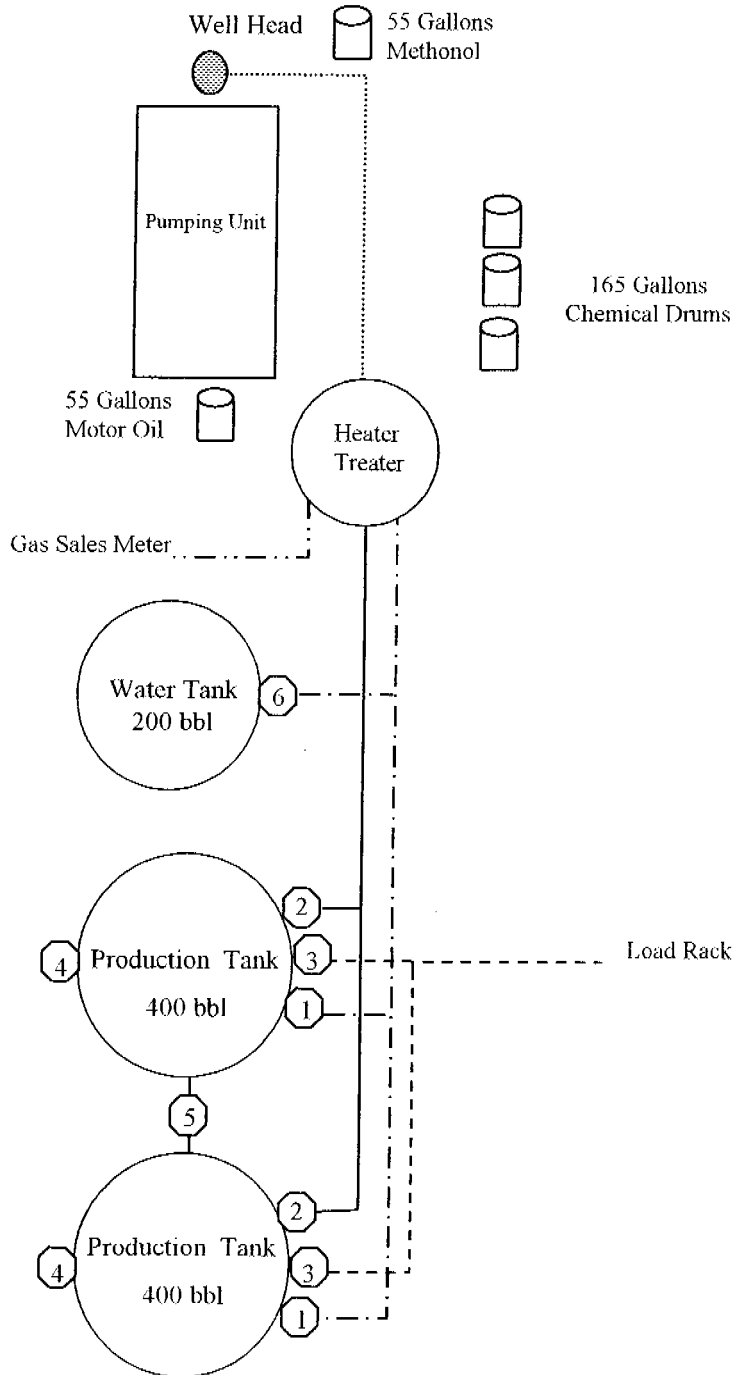
Proposed Site Facility Diagram

Federal 4-28-9-16

NW/NW Sec. 28, T9S, R16E

Duchesne County, Utah

UTU-74392



Legend

Emulsion Line
Load Rack	-----
Water Line	-----
Gas Sales
Oil Line	————

Production Phase:

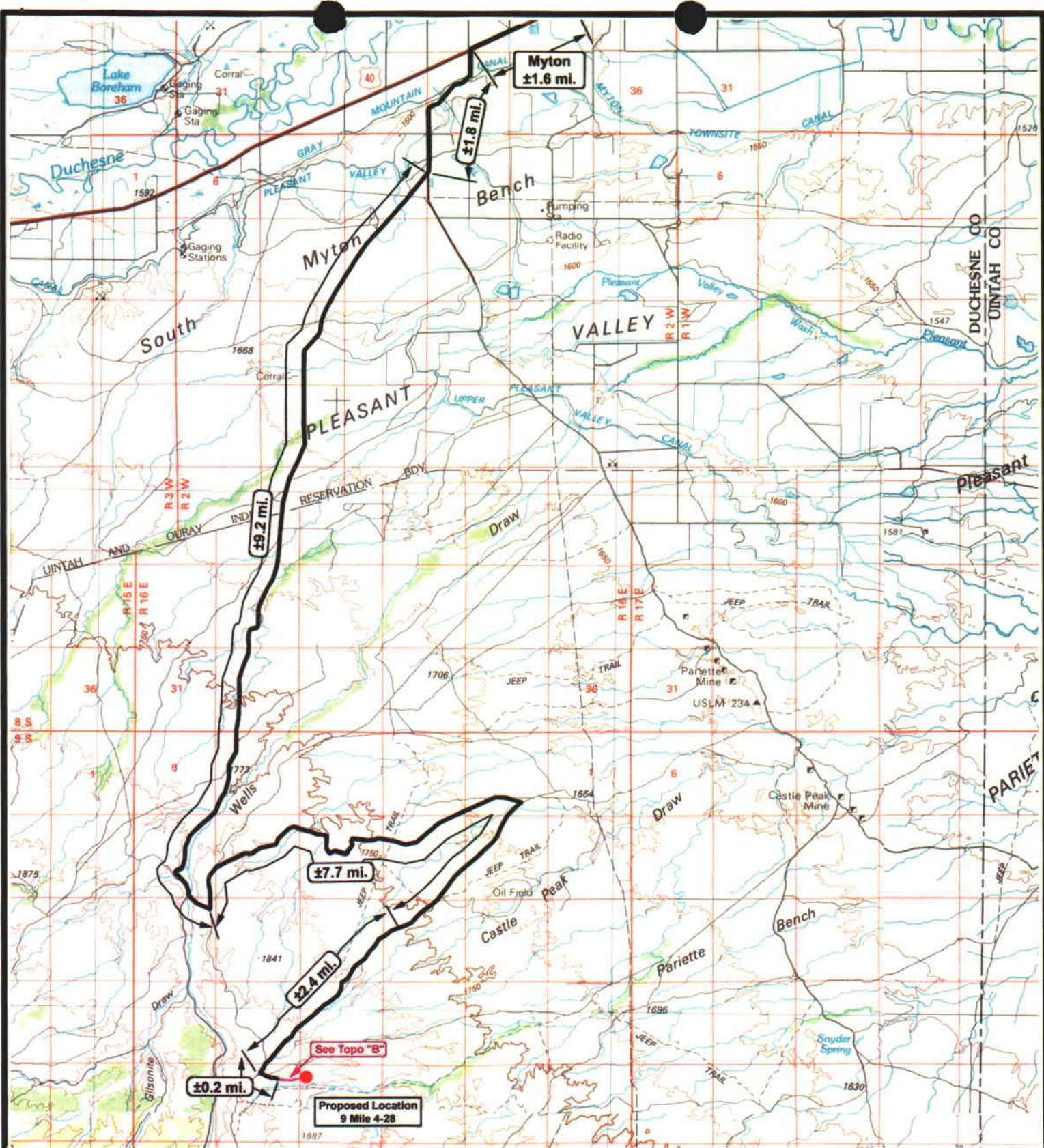
- 1) Valves 1, 3, and 4 sealed closed
- 2) Valves 2, 5, and 6 sealed open


Sales Phase:

- 1) Valves 1, 2, 4, 5, and 6 sealed closed
- 2) Valve 3 open

Draining Phase:

- 1) Valves 1 and 6 open





NEWFIELD
Exploration Company

9 Mile 4-28-9-16
SEC. 28, T9S, R16E, S.L.B.&M.





Tri-State
Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1 = 100,000
DRAWN BY: mw
DATE: 07-22-2006

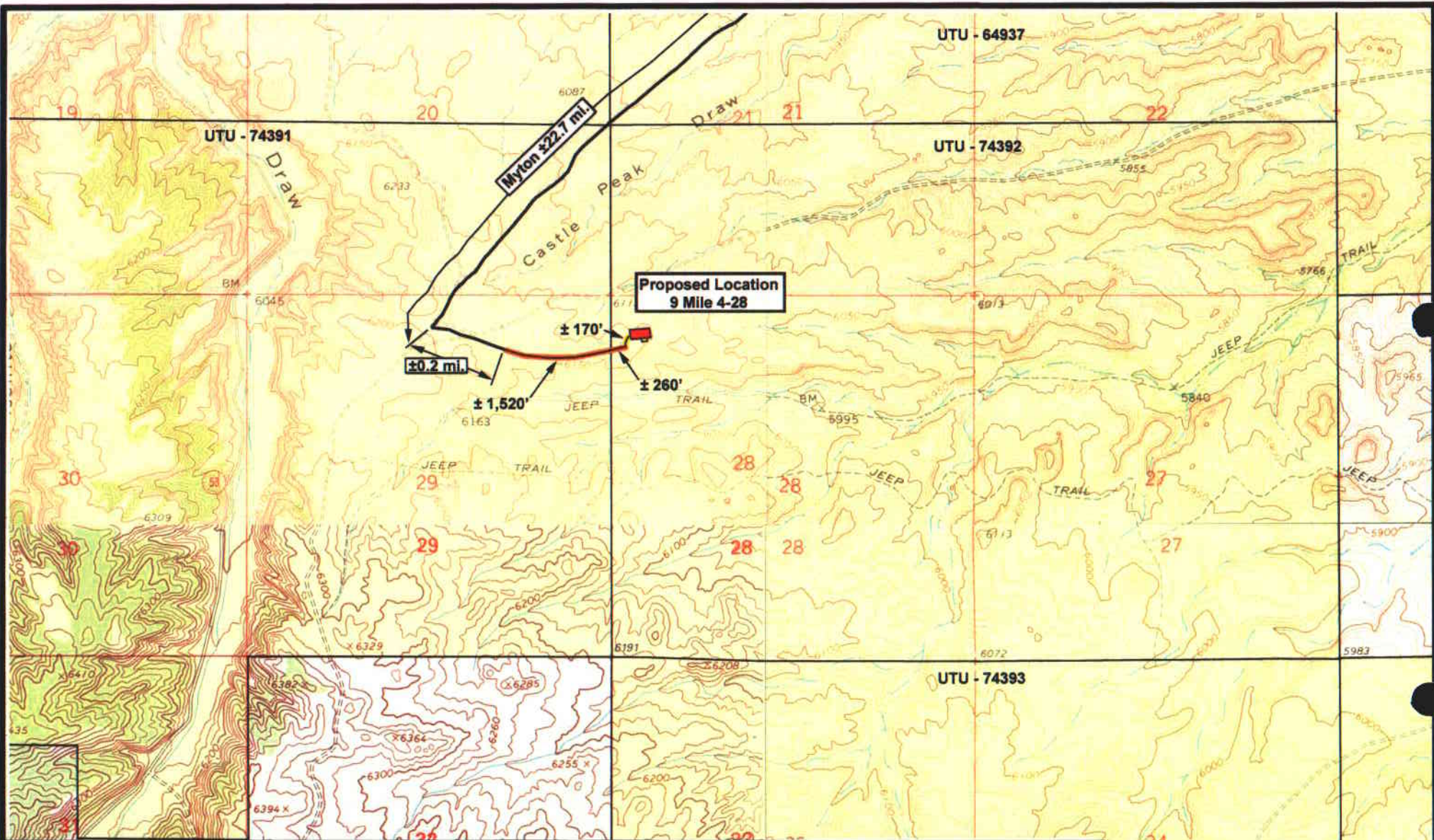
Legend

Existing Road

Proposed Access

TOPOGRAPHIC MAP

"A"



NEWFIELD
Exploration Company

9 Mile 4-28-9-16
SEC. 28, T9S, R16E, S.L.B.&M.



Tri-State
Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'

DRAWN BY: mw

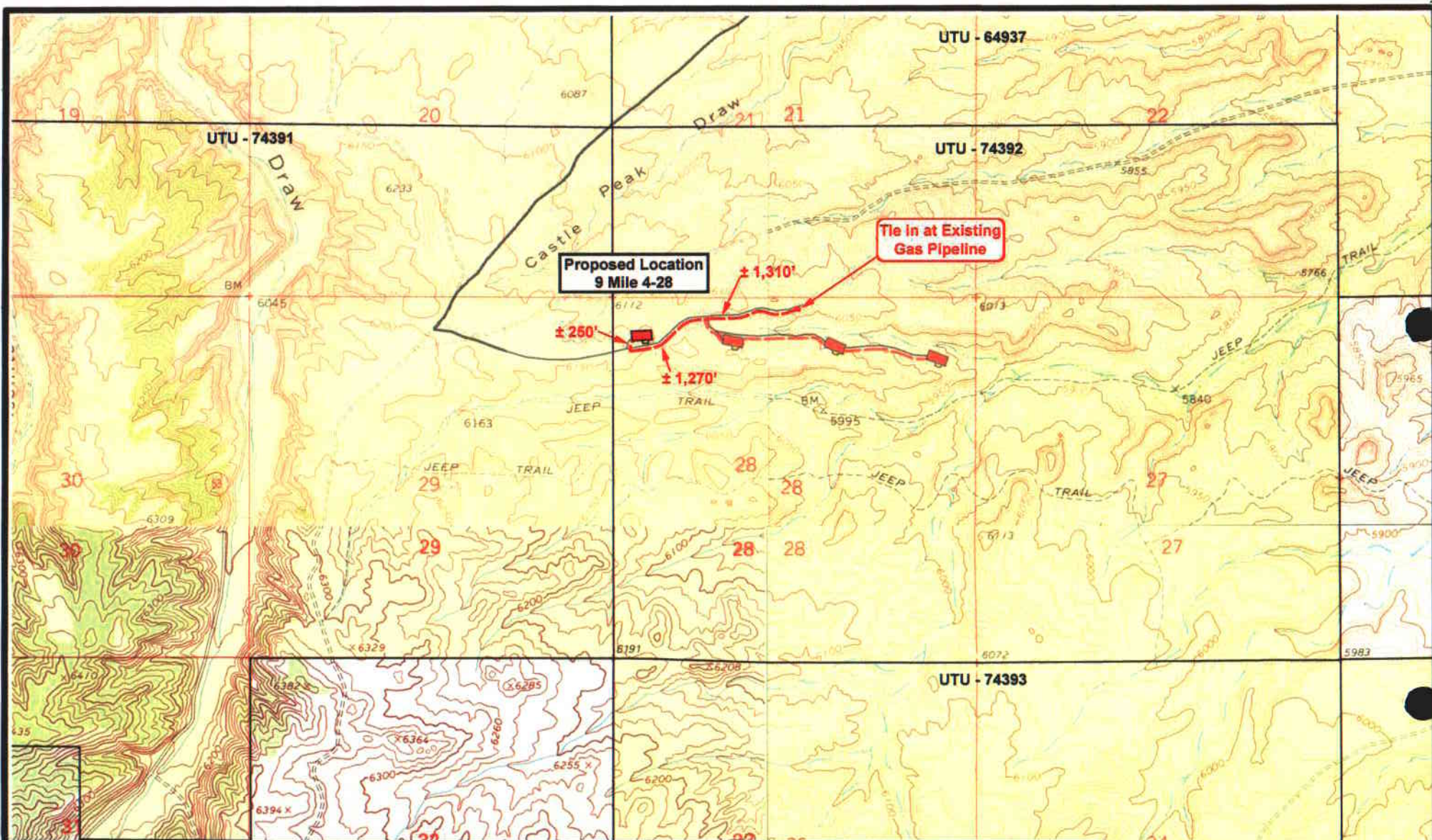
DATE: 07-21-2006

Legend

- Existing Road
- Proposed Access
- Existing Two-Track

TOPOGRAPHIC MAP

"B"



NEWFIELD
Exploration Company

9 Mile 4-28-9-16
SEC. 28, T9S, R16E, S.L.B.&M.



Tri-State
Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'

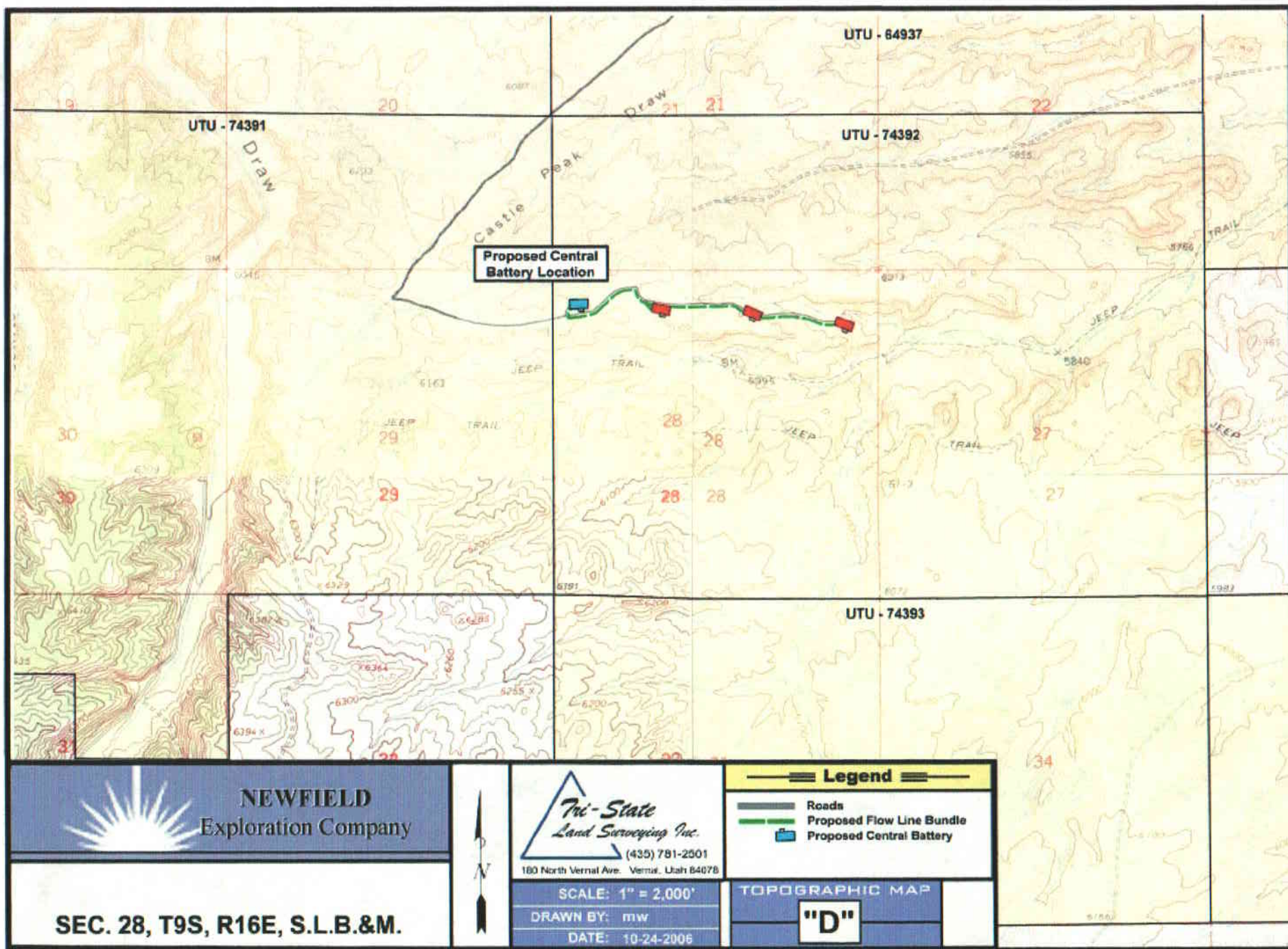
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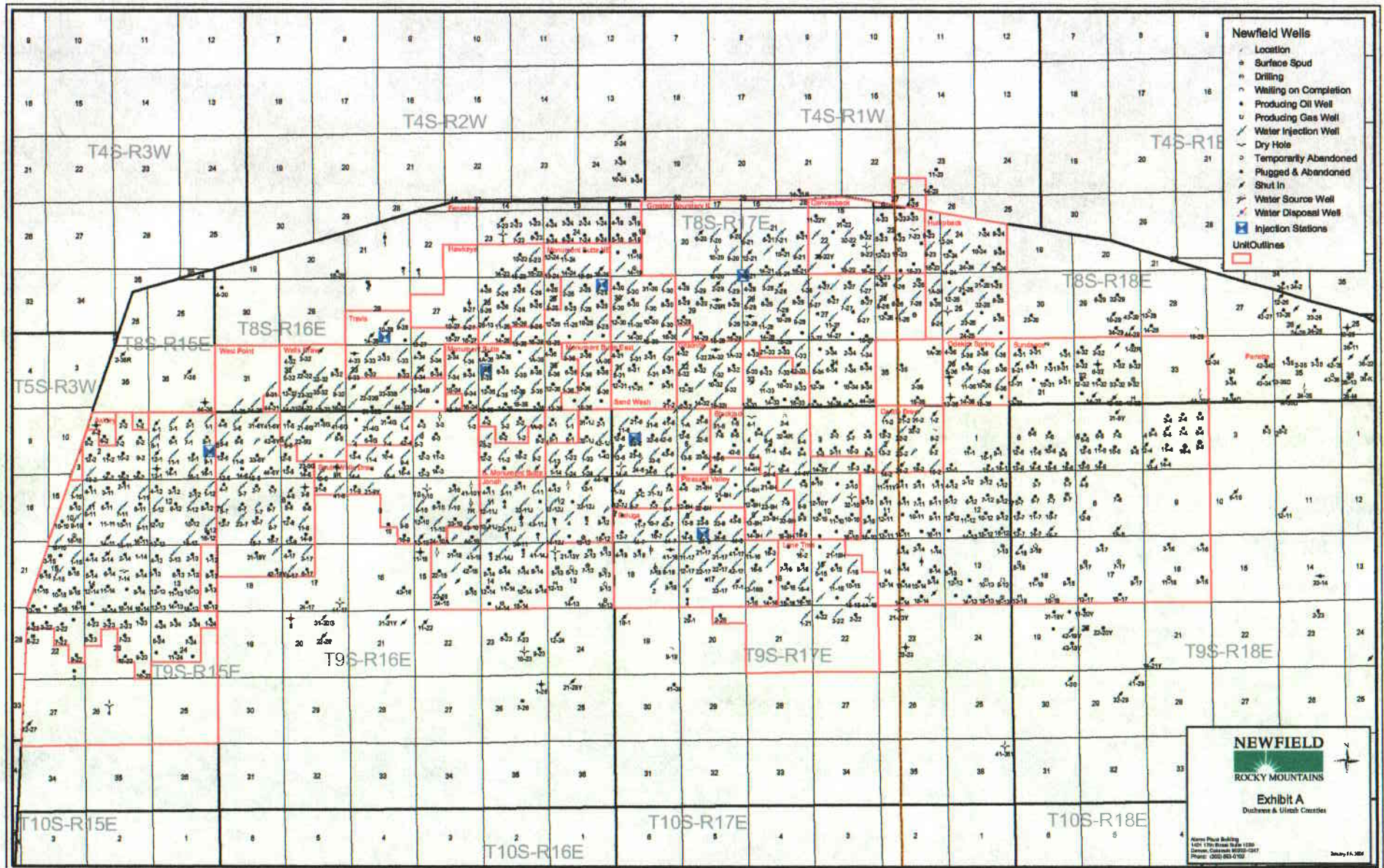
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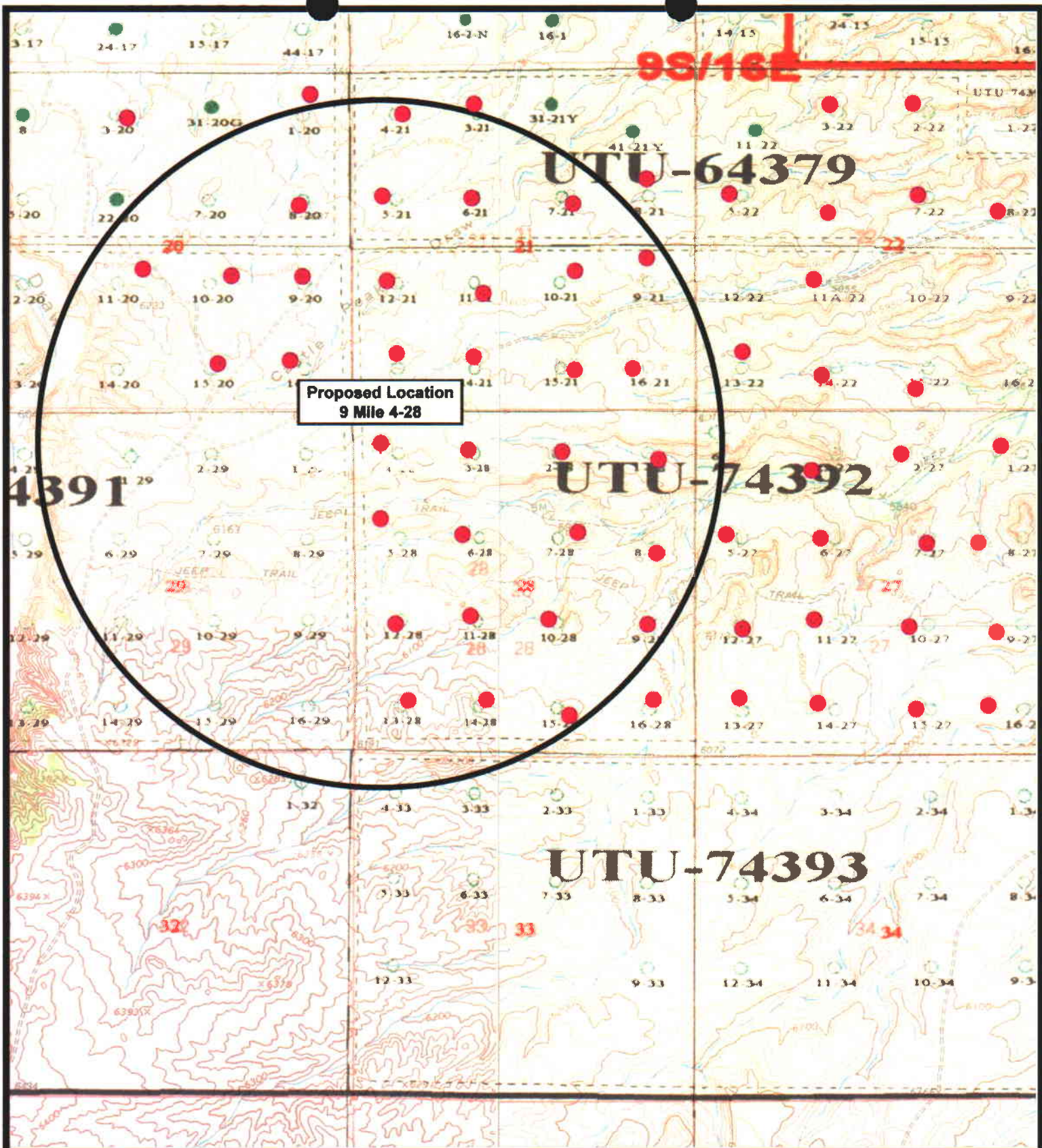
Legend
— Roads
- - - Proposed Gas Line

TOPOGRAPHIC MAP

"C"









NEWFIELD
Exploration Company

9 Mile 4-28-9-16
SEC. 28, T9S, R16E, S.L.B.&M.





Tri-State
Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'

DRAWN BY: mw

DATE: 07-22-2006

Legend

● Location

One-Mile Radius

Exhibit "B"

2-M SYSTEM

Blowout Prevention Equipment Systems

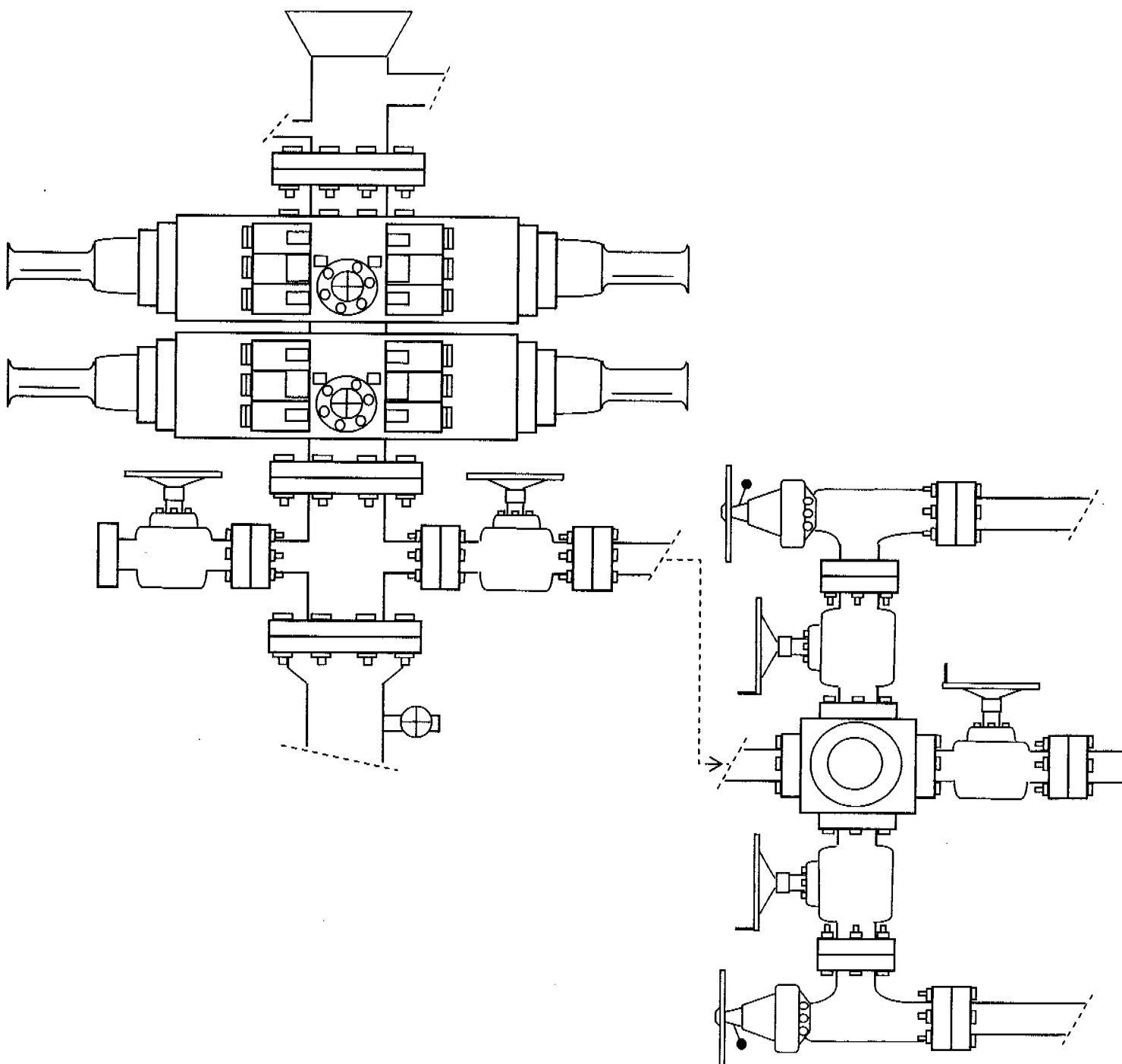


EXHIBIT C

Exhibit "D"
1 of 2

CULTURAL RESOURCE INVENTORY OF
NEWFIELD EXPLORATION'S BLOCK PARCEL
IN TOWNSHIP 9S, RANGE 16E, SECTIONS 27, 28, 29 AND 30
DUCHESNE COUNTY, UTAH

By:

Jenn Mueller

Prepared For:

Bureau of Land Management
Vernal Field Office

Prepared Under Contract With:

Newfield Exploration Company
Rt. 3 Box 3630
Myton, UT 84052

Prepared By:

Montgomery Archaeological Consultants, Inc.
P.O. Box 219
Moab, Utah 84532

MOAC Report No. 06-175

September 8, 2006

United States Department of Interior (FLPMA)
Permit No. 06-UT-60122

State of Utah Antiquities Project (Survey)
Permit No. U-06-MQ-1111b

NEWFIELD PRODUCTION COMPANY

**PALEONTOLOGICAL SURVEY OF PROPOSED
PRODUCTION DEVELOPMENT AREAS,
DUCHESNE AND UINTAH COUNTIES, UTAH**

NE 1/4, NW 1/4, Section 33, T 9 S, R 18 E; Section 19, T 9 S, R 17 E [entire section excluding the NW 1/4, NW 1/4]; Section 27, T 9 S, R 16 E [entire section excluding the NW 1/4, NW 1/4], Section 28, T 9 S, R 16 E [entire section]; Section 29, T 9 S, R 16 E [entire section]; Section 30, T 9 S, R 16 E [entire section].

REPORT OF SURVEY

Prepared for:

Newfield Production Company

Prepared by:

Wade E. Miller
Consulting Paleontologist
April 26, 2006

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 10/27/2006

API NO. ASSIGNED: 43-013-33407

WELL NAME: FEDERAL 4-28-9-16

OPERATOR: NEWFIELD PRODUCTION (N2695)

CONTACT: MANDIE CROZIER

PHONE NUMBER: 435-646-3721

PROPOSED LOCATION:

NWNW 28 090S 160E

SURFACE: 0560 FNL 0494 FWL

BOTTOM: 0560 FNL 0494 FWL

COUNTY: DUCHESNE

LATITUDE: 40.00759 LONGITUDE: -110.1313

UTM SURF EASTINGS: 574148 NORTHINGS: 4428751

FIELD NAME: MONUMENT BUTTE (105)

INSPECT LOCATN BY: / /

Tech Review

Initials

Date

Engineering

Geology

Surface

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-74392

SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: GRRV

COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

☒ Plat
☒ Bond: Fed[1] Ind[] Sta[] Fee[]
(No. UTB000192)
☒ Potash (Y/N)
☒ Oil Shale 190-5 (B) or 190-3 or 190-13
☒ Water Permit
(No. MUNICIPAL)
☒ RDCC Review (Y/N)
(Date: _____)
☒ Fee Surf Agreement (Y/N)
☒ Intent to Commingle (Y/N)

LOCATION AND SITING:

 R649-2-3.

Unit: _____

☒ R649-3-2. General

Siting: 460 From Qtr/Qtr & 920' Between Wells

 R649-3-3. Exception

 Drilling Unit

Board Cause No: _____

Eff Date: _____

Siting: _____

 R649-3-11. Directional Drill

COMMENTS: Sop, Separate file

STIPULATIONS: 1. Federal Approval

2. Spacing Slip



State of Utah
Department of
Natural Resources

MICHAEL R. STYLER
Executive Director

Division of
Oil, Gas & Mining

JOHN R. BAZA
Division Director

JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

October 30, 2006

Newfield Production Company
Rt. #3, Box 3630
Myton, UT 84052

Re: Federal 4-28-9-16 Well, 560' FNL, 494' FWL, NW NW, Sec. 28, T. 9 South,
R. 16 East, Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-33407.

Sincerely,

Gil Hunt
Associate Director

pab
Enclosures

cc: Duchesne County Assessor
Bureau of Land Management, Vernal District Office

Operator: Newfield Production Company
Well Name & Number Federal 4-28-9-16
API Number: 43-013-33407
Lease: UTU-74392

Location: NW NW **Sec.** 28 **T.** 9 South **R.** 16 East

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dan Jarvis at (801) 538-5338

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.

5. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.
Use "APPLICATION FOR PERMIT -" for such proposals

5. Lease Designation and Serial No.

UTU-74392

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

N/A

8. Well Name and No.

FEDERAL 4-28-9-16

9. API Well No.

43-013-33407

10. Field and Pool, or Exploratory Area

MONUMENT BUTTE

11. County or Parish, State

DUCHESNE COUNTY, UT.

SUBMIT IN TRIPLICATE

1. Type of Well

☒

Oil
Well

☐

Gas
Well

☐

Other

2. Name of Operator

NEWFIELD PRODUCTION COMPANY

3. Address and Telephone No.

Rt. 3 Box 3630, Myton Utah, 84052 435-646-3721

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)

560 FNL 494 FWL NW/NW Section 28, T9S R16E

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☒

Notice of Intent

☐

Subsequent Report

☐

Final Abandonment Notice

TYPE OF ACTION

☐

Abandonment

☐

Recompletion

☐

Plugging Back

☐

Casing Repair

☐

Altering Casing

☒

Other

Permit Extension

☐

Change of Plans

☐

New Construction

☐

Non-Routine Fracturing

☐

Water Shut-Off

☐

Conversion to Injection

☐

Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Newfield Production Company requests to extend the Permit to Drill this well for one year. The original approval date was 10/30/06 (expiration 10/30/07).

This APD has not been approved yet by the BLM.

Approved by the
Utah Division of
Oil, Gas and Mining

Date: 10-10-07

By: [Signature]

RECEIVED

OCT 03 2007

DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct

Signed

[Signature]
Mandie Crozier

Title

Regulatory Specialist

Date

10/4/2007

CC: UTAH DOGM

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

CC: Utah DOGM

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**Application for Permit to Drill
Request for Permit Extension
Validation**

(this form should accompany the Sundry Notice requesting permit extension)

API: 43-013-33407
Well Name: Federal 4-28-9-16
Location: NW/NW Section 28,T9S R16E
Company Permit Issued to: Newfield Production Company
Date Original Permit Issued: 10/30/2006

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.

If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes ☒ No ☐

Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes ☐ No ☒

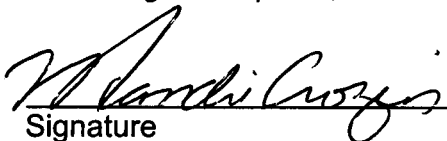
Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes ☐ No ☒

Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes ☐ No ☒

Has the approved source of water for drilling changed? Yes ☐ No ☒

Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes ☐ No ☒

Is bonding still in place, which covers this proposed well? Yes ☒ No ☐


Signature

10/4/2007

Date

Title: Regulatory Specialist

Representing: Newfield Production Company

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.
Use "APPLICATION FOR PERMIT -" for such proposals

5. Lease Designation and Serial No.

UTU-74392

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

N/A

8. Well Name and No.

FEDERAL 4-28-9-16

9. API Well No.

43-013-33407

10. Field and Pool, or Exploratory Area

MONUMENT BUTTE

11. County or Parish, State

DUCHESNE COUNTY, UT.

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

NEWFIELD PRODUCTION COMPANY

3. Address and Telephone No.

Rt. 3 Box 3630, Myton Utah, 84052 435-646-3721

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)

560 FNL 494 FWL NW/NW Section 28, T9S R16E

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other **Permit Extension**

☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Newfield Production Company requests to extend the Permit to Drill this well for one year.

Approved by the
Utah Division of
Oil, Gas and Mining

Date: 09-30-08
By: [Signature]

RECEIVED

SEP 29 2008

DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct

Signed

[Signature]
Mandie Crozier

Title

Regulatory Specialist

Date

9/26/2008

CC: UTAH DOGM

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

CC: Utah DOGM

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

RESET

**Application for Permit to Drill
Request for Permit Extension
Validation**

(this form should accompany the Sundry Notice requesting permit extension)

API: 43-013-33407
Well Name: Federal 4-28-9-16
Location: NW/NW Section 28,T9S R16E
Company Permit Issued to: Newfield Production Company
Date Original Permit Issued: 10/30/2006

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.

If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes ☐ No ☒

Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes ☐ No ☒

Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes ☐ No ☒

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Has the approved source of water for drilling changed? Yes ☐ No ☒

Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes ☐ No ☒

Is bonding still in place, which covers this proposed well? Yes ☒ No ☐


Signature

9/26/2008

Date

Title: Regulatory Specialist

Representing: Newfield Production Company

RECEIVED

SEP 29 2008

DIV. OF OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED
OMB No. 1004-0136
Expires January 31, 2004

1a. Type of Work: ☒ DRILL

☐ REENTER

1b. Type of Well: ☒ Oil Well ☐ Gas Well ☐ Other

☒ Single Zone ☐ Multiple Zone

2. Name of Operator

Newfield Production Company

3a. Address

Route #3 Box 3630, Myton UT 84052

3b. Phone No. (include area code)

(435) 646-3721

4. Location of Well (Report location clearly and in accordance with any State requirements. *)

At surface NW/NW 560' FNL 494' FWL

At proposed prod. zone

14. Distance in miles and direction from nearest town or post office*

Approximately 23.3 miles southwest of Myton, Utah

15. Distance from proposed*
location to nearest
property or lease line, ft.
(Also to nearest drig. unit line, if any)

Approx. 494' f/lse. NA f/unit

16. No. of Acres in lease

2080.00

17. Spacing Unit dedicated to this well

40 Acres

18. Distance from proposed location*
to nearest well, drilling, completed,
applied for, on this lease, ft.

Approx. 1142'

19. Proposed Depth

5960'

20. BLM/BLA Bond No. on file

UTB000192

21. Elevations (Show whether DF, KDB, RT, GL, etc.)

6157' GL

22. Approximate date work will start*

1st Quarter 2007

23. Estimated duration

Approximately seven (7) days from spud to rig release.

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).

4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification.
6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature

Title

Regulatory Specialist

Name (Printed/Typed)

Mandie Crozier

Date

10/12/06

Approved by (Signature)

Title

Assistant Field Manager
Lands & Mineral Resources

Name (Printed/Typed)

TERESA KENCZKA

Office

VERNAL FIELD OFFICE

MAY 11 2009

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

CONDITIONS OF APPROVAL ATTACHED

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*Instructions on reverse

NOTICE OF APPROVAL

UDOGM

RECEIVED

MAY 18 2009

DIV. OF OIL, GAS & MINING

075XS 0123A



UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
VERNAL FIELD OFFICE

170 South 500 East

VERNAL, UT 84078

(435) 781-4401



CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company: Newfield Production Company
Well No: Federal 4-28-9-16
API No: 43-013-33407

Location: NWNW, Sec. 28, T9S, R16E
Lease No: UTU-74392
Agreement: N/A

Title	Name	Office Phone Number	Cell Phone Number
Petroleum Engineer	Matt Baker	(435) 781-4490	(435) 828-4470
Petroleum Engineer	Michael Lee	(435) 781-4432	(435) 828-7875
Petroleum Engineer	Ryan Angus	(435) 781-4430	(435) 828-7368
Supervisory Petroleum Technician:	Jamie Sparger	(435) 781-4502	(435) 828-3913
Supervisory NRS	Karl Wright	(435) 781-4484	
NRS/Enviro Scientist	Christine Cimiluca	(435) 781-4475	
NRS/Enviro Scientist	Dan Emmett	(435) 781-3414	(435) 828-4029
NRS/Enviro Scientist	Anna Figueroa	(435) 781-3407	(435) 828-3548
NRS/Enviro Scientist	Lori Ford	(435) 781-4406	
NRS/Enviro Scientist	David Gordon	(435) 781-4424	
NRS/Enviro Scientist	James Hereford	(435) 781-3412	(435) 828-3546
NRS/Enviro Scientist	Chuck Macdonald	(435) 781-4441	(435) 828-7481
NRS/Enviro Scientist	Nathan Packer	(435) 781-3405	(435) 828-3545
NRS/Enviro Scientist	Paul Percival	(435) 781-4493	(435) 828-7381
NRS/Enviro Scientist	Verlyn Pindell	(435) 781-3402	(435) 828-3547
NRS/Enviro Scientist	Holly Villa	(435) 781-4404	(435) 828-3544
		Fax: (435) 781-3420	

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

NOTIFICATION REQUIREMENTS

Location Construction (Notify Environmental Scientist)	- Forty-Eight (48) hours prior to construction of location and access roads.
Location Completion (Notify Environmental Scientist)	- Prior to moving on the drilling rig.
Spud Notice (Notify Petroleum Engineer)	- Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Supv. Petroleum Tech.)	- Twenty-Four (24) hours prior to running casing and cementing all casing strings.
BOP & Related Equipment Tests (Notify Supv. Petroleum Tech.)	- Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify Petroleum Engineer)	- Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

**SURFACE USE PROGRAM
CONDITIONS OF APPROVAL (COAs)**

- All new and replacement internal combustion gas field engines of less than or equal to 300 design-rated horsepower must not emit more than 2 gms of NO_x per horsepower-hour. This requirement does not apply to gas field engines of less than or equal to 40 design-rated horsepower.
- All and replacement internal combustion gas field engines of greater than 300 design rated horsepower must not emit more than 1.0 gms of NO_x per horsepower-hour.
- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.
- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation may be necessary for the discovered paleontologic material before construction can continue.

SURFACE CONDITIONS OF APPROVAL

NEPA Document number: DOI-BLM-UT-2008-0659-EA

Company/Operator: Newfield Production Company

Well Name & Number: Federal 1-28-9-16, Federal 2-28-9-16, and Federal 3-28-9-16 and 4-28-9-16, Federal 1-29-9-16, Federal 2-29-9-16, Federal 3-29-9-16, and Federal 4-29-9-16, Federal 1-30-9-16, Federal 2-30-9-16, Federal 3-30-9-16, and Federal 4-30-9-16

Surface Ownership: BLM

CONDITIONS OF APPROVAL:

Wildlife

Wells 1-30-9-16, 2-30-9-16, 3-30-9-16, 4-30-9-16, 3-29-9-16, and 4-29-9-16 will be located within Crucial Elk Calving habitat. In order to minimize impacts, no construction, drilling, or other development activity will be allowed from May 15 thru June 30.

If it is anticipated that construction or drilling will occur during the given timing restrictions for any wildlife, a BLM or qualified biologist shall be notified so surveys can be conducted. Depending upon the results of the survey, permission to proceed may or may not be recommended or granted.

Within 90 calendar days of the approval date for this Application for Permit to Drill (APD), the operator/lessee shall submit to the Authorized Officer (AO), on Sundry Notice Form 3160-5, an Interim/Final Surface Reclamation Plan for surface disturbance on well pads, access roads, and pipelines. At a minimum, this will include the reshaping of the pad to the original contour to the extent possible; the re-spreading of the top soil up to the rig anchor points; and, the area reseeded using appropriate reclamation methods. The AO will provide written approval or concurrence within 30 calendar days of receipt.

Interim and Final Reclamation

Reclamation Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, materials, and trash. Any hydrocarbons in the pit will be removed in accordance with 43 CFR 3162.7-1. The reserve pit and the portion of the well not needed for production facilities/operations will be re-contoured to the approximate natural contours. The reserve pit will be reclaimed within 120 days from the date of well completion, or as soon as environmental conditions allow. The stockpiled pit topsoil will then be spread over the pit area. Seeding shall be implemented in the fall only, between August 15 and December 15. The seed shall be drilled wherever possible. If the seed is aerially broadcasted, then the seed shall be covered immediately (crimped into the topsoil with a bulldozer or other heavy equipment). *Forage Kochia shall be applied to the surface and not covered.* If initial seeding is not successful, reseeding may be required.

Interim and Final Seed mix for wells: 1-28-9-16, 2-28-9-16, 3-28-9-16, 4-28-9-16, 1-29-9-16, 2-29-9-16, 3-29-9-16, 4-29-9-16, 1-30-9-16, and 2-30-9-16.

Common name	Latin name	lbs/acre	Recommended seed planting depth
Squirreltail grass	<i>Elymus elymoides</i>	3.0	¼ - ½"
Shadscale saltbush	<i>Atriplex confertifolia</i>	0.50	½"
Four-wing saltbush	<i>Atriplex canescens</i>	0.50	½"
Scarlet globemallow	<i>Sphaeralcea coccinea</i>	0.10	⅛ - ¼"
Western wheatgrass	<i>Pascopyrum smithii</i>	2.0	½"
Ephraim Crested Wheatgrass	<i>Agropyron cristatum</i> var. <i>Ephraim</i>	2.0	½"
Anatone bluebunch wheatgrass	<i>Agropyron spicatum</i> var. <i>Anatone</i>	2.0	½"
Ladak Alfalfa	<i>Medicago sativa</i> var. <i>Ladak</i>	1.0	½"

Interim and Final Seed mix for wells: 3-30-9-16, 4-30-9-16

Common name	Latin name	lbs/acre	Recommended seed planting depth
Western Wheatgrass	<i>Pascopyrum smithii</i>	3.0	¼ - ½"
Ephraim Crested Wheatgrass	<i>Agropyron cristatum</i> var. <i>Ephraim</i>	2.0	½"
Ladak Alfalfa	<i>Medicago sativa</i> var. <i>Ladak</i>	1.0	½"
Scarlet globemallow	<i>Sphaeralcea coccinea</i>	1.0	⅛ - ¼"
Shadscale	<i>Atriplex confertifolia</i>	2.0	½"
Fourwing Saltbush	<i>Atriplex canescens</i>	2.0	½"
Winterfat	<i>Ceratoides lanata</i>	1.0	½"
Forage Kochia ²	<i>Kochia prostrata</i>	0.5	½"

- All pounds are pure live seed.
- All seed and mulch will be certified weed free.
- Rates are set for drill seeding; double rate if broadcasting.
- Reseeding may be required if initial seeding is not successful.

Final reclamation:

Once the location is plugged and abandoned, the well location, access, and any disturbed areas shall be re-contoured to natural topography, topsoil shall be re-spread, and the entire location shall be seeded following guidelines in the seed mix bullet statement above. *Final seed mix:* same as interim unless otherwise instructed.

**DOWNHOLE PROGRAM
CONDITIONS OF APPROVAL (COAs)**

SITE SPECIFIC DOWNHOLE COAs:

- Production casing cement shall be brought up and into the surface.

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each

encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.

- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in LAS format to UT_VN_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
 - Operator name, address, and telephone number.
 - Well name and number.
 - Well location (¼¼, Sec., Twn, Rng, and P.M.).
 - Date well was placed in a producing status (date of first production for which royalty will be paid).
 - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
 - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
 - Unit agreement and/or participating area name and number, if applicable.
 - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.

- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.
- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.

- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.
-

Spud
BLM - Vernal Field Office - Notification Form

Operator Newfield Production Rig
Name/# Ross Rig#29 Submitted By Johnny
Davis Phone Number (435)-823-3610

Well Name/Number Federal 4-28-9-
16

Qtr/Qtr NWNW Section 28 Township 9S
Range 16E

Lease Serial Number UTU
74392

API Number _43-013-33407

Spud Notice – Spud is the initial spudding of the well, not drilling
out below a casing string.

Date/Time 6/24/09 8:00 AM ☒
PM ☐

Casing – Please report time casing run starts, not cementing
times.

- ☒ Surface Casing
- ☐ Intermediate Casing
- ☐ Production Casing
- ☐ Liner
- ☐ Other

Date/Time 6/24/09 4:00 AM ☐
PM ☒

BOPE

☐ Initial BOPE test at surface casing point

- ☐ BOPE test at intermediate casing point
- ☐ 30 day BOPE test
- ☐ Other

Date/Time _____ AM ☐ PM ☐

Remarks _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an
abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other Instructions on page 2

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

NEWFIELD PRODUCTION COMPANY

3a. Address

Route 3 Box 3630
Myton, UT 84052

3b. Phone (include area code)

435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

560 FNL 494 FWL

NWNW Section 28 T9S R16E

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

5. Lease Serial No.

UTU-74392

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or

8. Well Name and No.

FEDERAL 4-28-9-16

9. API Well No.

4301333407

10. Field and Pool, or Exploratory Area

MONUMENT BUTTE

11. County or Parish, State

DUCHESNE, UT

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Spud Notice _____
	<input type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	_____

13. Describe Proposed or Completed Operation: (Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

On 6/24/09 MIRU Ross spud rig #21. Drill 307' of 12 1/4" hole with air mist. TIH W/8 Jt's 8 5/8" J-55 24# csqn. Set @ 317' KB.
On 6/26/09 Cement with 160 sks of Class "G" w/ 2% CaCL+ 1/4# Cello Flake. Mixed @ 15.8 ppg> 1.17 cf/sk yeild. Returned 6 bbls cement to pit.

I hereby certify that the foregoing is true and correct (Printed/ Typed)

Johnny Davis

Signature

Title

Drilling Foreman

Date

06/29/2009

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Date

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on page 2)

RECEIVED

JUL 06 2009

DIV. OF OIL, GAS & MINING

NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

8 5/8" CASING SET AT 316.8

LAST CASING _____ SET AT _____
 DATUM 12
 DATUM TO CUT OFF CASING _____
 DATUM TO BRADENHEAD FLANGE _____
 TD DRILLER 307 LOGGER _____
 HOLE SIZE 12 1/4"

OPERATOR Newfield Exploration Company
 WELL FEDERAL 4-28-9-16
 FIELD/PROSPECT MB
 CONTRACTOR & RIG # Ross #21

LOG OF CASING STRING:								
PIECES	OD	ITEM - MAKE - DESCRIPTION		WT / FT	GRD	THREAD	CONDT	LENGTH
1		Guide shoe					A	0.9
1	8 5/8"	Shoe jt		24	J-55	STC	A	38.13
7	8 5/8"	Csg.		24	J55	STC	A	267.77

CENTRALIZER & SCRATCHER PLACEMENT	SHOW MAKE & SPACING
Middle firt, Top firt , top of second for a total of 3	

COMPANY REPRESENTATIVE Johnny Davis DATE 6/27/2009

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an
abandoned well. Use Form 3160-3 (APD) for such proposals.

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

SUBMIT IN TRIPLICATE - Other Instructions on page 2

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

NEWFIELD PRODUCTION COMPANY

3a. Address

Route 3 Box 3630
Myton, UT 84052

3b. Phone (include area code)

435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

560 FNL 494 FWL

NWNW Section 28 T9S R16E

5. Lease Serial No.

UTU-74392

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or

8. Well Name and No.

FEDERAL 4-28-9-16

9. API Well No.

4301333407

10. Field and Pool, or Exploratory Area

MONUMENT BUTTE

11. County or Parish, State

DUCHESNE, UT

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Weekly Status Report
	<input type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: (Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleation in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

On 7/11/09 MIRU NDSI Rig # 3. Set all equipment. Pressure test Kelly, TIW, Choke manifold, & Bop's to 2,000 psi. Test 8.625 csgn to 1,500 psi. Vernal BLM field, & Roosevelt DOGM office was notified of test. PU BHA and tag cement @ 274'. Drill out cement & shoe. Drill a 7.875 hole with fresh water to a depth of 5890'. Lay down drill string & BHA. Open hole log w/ Dig/SP/GR log's TD to surface. PU & TIH with Guide shoe, shoe jt, float collar, 151 jt's of 5.5 J-55, 15.5# csgn. Set @ 5885.91' KB. Cement with 275 sks cement mixed @ 11.0 ppg & 3.43 yld. The 400 sks cement mixed @ 14.4 ppg & 1.24 yld. Returned 29 bbbls of cement to reserve pit. Nipple down Bop's. Drop slips @ 105,000 #'s tension. Release rig @ 6:00 AM on 7/16/09.

RECEIVED
JUL 21 2009

DIV. OF OIL, GAS & MINING

I hereby certify that the foregoing is true and correct (Printed/ Typed)

Jim Smith

Signature

Title

Drilling Foreman

Date

07/17/2009

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Date

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on page 2)

NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

5 1/2" CASING SET AT _____

LAST CASING	<u>8 5/8"</u>	SET AT	<u>316.8</u>
DATUM	<u>12</u>		
DATUM TO CUT OFF CASING		<u>12</u>	
DATUM TO BRADENHEAD FLANGE			<u>12</u>
TD DRILLER	<u>5890</u>	LOGC	<u>5887</u>
HOLE SIZE	<u>7 7/8"</u>		

OPERATOR **Newfield Exploration Company**
WELL **FEDERAL 4-28-9-16**
FIELD/PROSPECT **MB**
CONTRACTOR & RIG # **NDSI # 3**

LOG OF CASING STRING:

[illegible]

COMPANY REPRESENTATIVE Jim Smith DATE 7/16/2009

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NUMBER: USA UTU-74392
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052		7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL: FOOTAGES AT SURFACE: 560 FNL 494 FWL		8. WELL NAME and NUMBER: FEDERAL 4-28-9-16
OTR/OTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWNW, 28, T9S, R16E		9. API NUMBER: 4301333407
COUNTY: DUCHESNE		10. FIELD AND POOL, OR WILDCAT: MONUMENT BUTTE
STATE: UT		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will _____	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/STOP) <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARITLY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLAIR <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input checked="" type="checkbox"/> -OTHER: - Weekly Status Report
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: 09/08/2009			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The above subject well was completed on 08/07/09, attached is a daily completion status report.

NAME (PLEASE PRINT) <u>Jenri Park</u>	TITLE <u>Production Clerk</u>
SIGNATURE 	DATE <u>09/08/2009</u>

(This space for State use only)

RECEIVED

SEP 09 2009

DIV. OF OIL, GAS & MINING

Daily Activity Report**Format For Sundry****FEDERAL 4-28-9-16****6/1/2009 To 10/30/2009****7/29/2009 Day: 1****Completion**

Rigless on 7/29/2009 - Run CBL & shoot first stage. - Install 5M frac head. NU 6" 5M Cameron BOP. RU H/O truck & pressure test casing, blind rams, frac head & casing valves to 4500 psi. RU Perforators LLC WLT w/ mast & run CBL under pressure. WLTD @ 5787' cement top @ 160'. Perforate stage #1. CP1 sds @ 5411-14' & 5417-20', CP4 sds @ 5604-06' & CP5 sds @ 5692-95' w/ 3 1/8" slick guns (11 gram, .36" EH, 120°, 16.82" pen, PPG-3111-301 Titan) w/ 3 spf for total of 33 shots. 139 BWTR. SWIFN.

Daily Cost: \$0**Cumulative Cost:** \$12,873

8/3/2009 Day: 2**Completion**

Rigless on 8/3/2009 - Frac well. - Stage #1: RU BJ Services "Ram Head" frac flange. RU BJ & frac CP sds down casing w/ 20,033#s of 20/40 sand in 337 bbls of Lightning 17 frac fluid. Open well w/ 0 psi on casing. Perfs broke down @ 2991 psi back to 2200 psi w/ 5 bbls of fluid @ 3 bpm. ISIP was 2020 w/ .88FG. 1 min was 1750 psi. 4 min was 1567 psi. Pump 30 gals of Techni Hib chemical @ 4% by volume. Treated @ ave pressure of 3097 w/ ave rate of 41 bpm w/ 6 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 2350 w/ .86FG. 5 min was 2000 psi. 10 min was 1895 psi. 15 min was 1834 psi. 337 Bbls EWTR. Leave pressure on well. See stage #2. - Stage #2: RU PSI WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" (6K) composite flow through frac plug & 4', 7' perf guns. Set plug @ 5140'. Perforate LODC sds @ 5034-38' & A1 sds @ 4921-28' w/ 3-1/8" Slick Guns (16g, .34"EH, 120°) w/ 3 spf for total of 33 shots. RU BJ & frac w/ 55,558#s of 20/40 sand in 497 bbls of Lightning 17 frac fluid. Open well w/ 1547 psi on casing. Perfs broke down @ 3931 psi back to 1424 psi w/ 3 bbls of fluid @ 3 bpm. Pressure to low. Pump 30 gals of Techni Hib chemical @ 4% by volume. Treated @ ave pressure of 2725 w/ ave rate of 41 bpm w/ 8 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 2260 w/ .89FG. 5 min was 2036 . 10 min was 1842. 15 min was 1734. 834 Bbls EWTR. Leave pressure on well. SIFN.

Daily Cost: \$0**Cumulative Cost:** \$50,657

8/4/2009 Day: 3**Completion**

Rigless on 8/4/2009 - Frac well. Flow well back. - Stage #4: RU WLT. RIH w/ frac plug & 3', 7' perf guns. Set plug @ 4620'. Perforate D1 sds @ 4554-57' & 4528-35' w/ 3 spf for total of 30 shots. RU BJ & frac w/ 50,682#s of 20/40 sand in 453 bbls of Lightning 17 frac fluid. Open well w/ 1328 psi on casing. Perfs broke down @ 4077 psi back to 1567 psi w/ 5 bbls of fluid @ 5 bpm. Pressure to low. Pump 30 gals of Techni Hib chemical @ 4% by volume. Treated @ ave pressure of 2818 w/ ave rate of 41 bpm w/ 8 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 1691 w/ .81FG. 5 min was 1574. 10 min was 1545. 15 min was 1499. 1891 Bbls EWTR. Leave pressure on well. - Stage #3: RU WLT. RIH w/ frac plug & 2', 7' perf guns. Set plug @ 4800'. Perforate C sds @ 4695-97' & 4686-93' w/ 3 spf for total of 27 shots. RU BJ & frac w/ 75,264#s of 20/40 sand in 604 bbls of Lightning 17 frac fluid. Open well w/ 443 psi on casing. Perfs broke down @ 1566 psi back to 1200 psi w/ 5 bbls of fluid @ 5 bpm. ISIP was 1010 w/ .65FG. 1 min was 748. 3 min was 504. Pump 30 gals of Techni Hib chemical @ 4% by volume. Treated @ ave pressure of 2092 w/ ave rate of 30 bpm w/ 8 ppg

of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 1873 w/ .83FG. 5 min was 1741. 10 min was 1663. 15 min was 1586. 1438 Bbls EWTR. Leave pressure on well. - Stage #5: RU WLT. RIH w/ frac plug & 2',3',3',2' perf guns. Set plug @ 4140'. Perforate GB4 sds @ 4038-40', 4021-24', 4011-14', 4002-04' w/ 3 spf for total of 30 shots. RU BJ & frac w/ 86,985#'s of 20/40 sand in 670 bbls of Lightning 17 frac fluid. Open well w/ 1403 psi on casing. Perfs broke down @ 2879 psi back to 1308 psi w/ 5 bbls of fluid @ 5 bpm. Pressure to low. Pump 30 gals of Techni Hib chemical @ 4% by volume. Treated @ ave pressure of 1983 w/ ave rate of 41 bpm w/ 8 ppg of sand. ISIP was 1314 w/ .76FG. 5 min was 1235. 10 min was 1224. 15 min was 1199. 2561 Bbls EWTR. RD BJ & WLT. Flow well back. Well flowed for 3 hours & died w/ 400 bbls rec'd. 2161 bbls EWTR. SIFN.

Daily Cost: \$0

Cumulative Cost: \$105,541

8/5/2009 Day: 4

Completion

WWS #1 on 8/5/2009 - MIRUSU. Drlg plugs. - MIRUSU. Open well w/ psi on casing. RD Cameron BOP's & frac head. Instal 3M production tbg head & Schafer BOP's. RU 3/4" used Chomp mill & x-over sub. Tally, pickup, TIH w/ new J-55, 6.5#, 2-7/8" tbg off racks. Tag sand @ 4000'. RU swivel, pump & tanks. C/O to plug @ 4140'. Drlg out plug #1 in 10 min. TIH w/ tbg to tag plug @ 4620'. Drlg out plug #2. TIH w/ tbg to tag plug @ 4800'. Drlg out plug #3. TIH w/ tbg to tag plug @ 5140'. Drlg out plug #4. TIH w/ tbg to tag sand @ 5390'. Circulate well clean. SIFN.

Daily Cost: \$0

Cumulative Cost: \$139,211

8/7/2009 Day: 6

Completion

WWS #1 on 8/7/2009 - Put well on pump. - Open well w/ 0 psi on casing. Continue TOO H w/ tbg. LD mill & x-over sub. TIH w/ NC, 2 jts tbg, SN, 1 jt tbg, TA new Central Hydraulic w/ 45,000#'s shear, 179 jts tbg. RD BOP's. Set TA @ 5653' w/ 18,000#'s tension w/ SN @ 5687' & EOT @ 5752'. Flush tbg w/ 60 bbls water. Pickup & prime pump. TIH w/ 2-1/2" x 1-1/2" x 16' x 20' RHAC new Central Hydraulic pump w/ 180"SL, 6- 1-1/2" weight rods, 20- 3/4" guided rods, 100- 3/4" plain rods, 101- guided rods, 1-1/2" x 26' polish rod. Space pump. Test tbg & pump to 800 psi. POP @ 4PM w/ 84"SL @ 5 spm. RDMOSU. 2000 bbls EWTR. Final Report. - Open well w/ 0 psi on casing. Continue TOO H w/ tbg. LD mill & x-over sub. TIH w/ NC, 2 jts tbg, SN, 1 jt tbg, TA new Central Hydraulic w/ 45,000#'s shear, 179 jts tbg. RD BOP's. Set TA @ 5653' w/ 18,000#'s tension w/ SN @ 5687' & EOT @ 5752'. Flush tbg w/ 60 bbls water. Pickup & prime pump. TIH w/ 2-1/2" x 1-1/2" x 16' x 20' RHAC new Central Hydraulic pump w/ 180"SL, 6- 1-1/2" weight rods, 20- 3/4" guided rods, 100- 3/4" plain rods, 101- guided rods, 1-1/2" x 26' polish rod. Space pump. Test tbg & pump to 800 psi. POP @ 4PM w/ 84"SL @ 5 spm. RDMOSU. 2000 bbls EWTR. Final Report. - Open well w/ 0 psi on casing. RU swivel, pump & tanks. C/O 455' of sand to PBTB @ 5845'. RD swivel. LD 2 jts tbg. RU swab equipment. Made 13 runs & rec'd 130 bbls of fluid. Last run showed trace of oil & gas w/ no sand. FFL was 700'. RD swab. TIH w/ tbg & tag 8' of new sand. Circulate well clean. TOO H w/ tbg. Left EOT @ 1765'. SIFN. - Open well w/ 0 psi on casing. RU swivel, pump & tanks. C/O 455' of sand to PBTB @ 5845'. RD swivel. LD 2 jts tbg. RU swab equipment. Made 13 runs & rec'd 130 bbls of fluid. Last run showed trace of oil & gas w/ no sand. FFL was 700'. RD swab. TIH w/ tbg & tag 8' of new sand. Circulate well clean. TOO H w/ tbg. Left EOT @ 1765'. SIFN. **Finalized**

Daily Cost: \$0

Cumulative Cost: \$180,500

Pertinent Files: [Go to File List](#)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other b. Type of Completion: <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resrv., Other: _____										5. Lease Serial No. UTU-74392	
2. Name of Operator NEWFIELD EXPLORATION COMPANY										6. If Indian, Allottee or Tribe Name NA	
3. Address 1401 17TH ST. SUITE 1000 DENVER, CO 80202										3a. Phone No. (include area code) (435)646-3721	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface 560' FNL & 494' FWL (NW/NW) SEC. 28, T9S, R16E At top prod. interval reported below At total depth 5890'										7. Unit or CA Agreement Name and No. FEDERAL 8. Lease Name and Well No. FEDERAL 4-28-9-16 9. AFI Well No. 43-013-33407	
14. Date Spudded 06/24/2009										15. Date T.D. Reached 07/16/2009	
16. Date Completed 08/07/2009 <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod.										10. Field and Pool or Exploratory MONUMENT BUTTE 11. Sec., T., R., M., on Block and Survey or Area SEC. 28, T9S, R16E 12. County or Parish DUCHESNE 13. State UT	
18. Total Depth: MD 5890' TVD										19. Plug Back T.D.: MD 5787' TVD	
20. Depth Bridge Plug Set: MD TVD										17. Elevations (DF, RKB, RT, GL)* 6157' GL 6169' KB	
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) <input checked="" type="checkbox"/> DUAL IND GRD, <input checked="" type="checkbox"/> SP, <input checked="" type="checkbox"/> COMP. DENSITY, <input checked="" type="checkbox"/> COMP. NEUTRON, <input checked="" type="checkbox"/> GR, <input checked="" type="checkbox"/> CALIPER, <input checked="" type="checkbox"/> CMT BOND										22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit report) Directional Survey? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit copy)	
23. Casing and Liner Record (Report all strings set in well)											
Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled		
12-1/4"	8-5/8" J-55	24#		317'		160 CLASS G					
7-7/8"	5-1/2" J-55	15.5#		5885'		275 PRIMLITE		160'			
						400 50/50 POZ					
24. Tubing Record											
Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)			
2-7/8"	EOT@ 5705'	TA @ 5656'									
25. Producing Intervals											
Formation			Top	Bottom	26. Perforation Record						
					Perforated Interval	Size	No. Holes	Perf. Status			
A) GREEN RIVER					(CP1)(CP4)&(CP5)see belo	.36"	3	33			
B) GREEN RIVER					(LODC)5034-38(A1)4921-2	.34"	3	33			
C) GREEN RIVER					(C) 4695-97' & 4686-93'	.34"	3	27			
D) GREEN RIVER					(D1)4554-57,4528-35'	.34"	3	30			
27. Acid, Fracture, Treatment, Cement Squeeze, etc.											
Depth Interval		Amount and Type of Material									
5411-5695'		Stage #1: Frac CP sds down casing w/ 20,0331#s of 20/40 sand in 337 bbls of Lightning 17 fluid.									
4921-5038'		Frac w/ 55,558#s of 20/40 sand in 497 bbls of Lightning 17 frac fluid									
4686-4697'		Frac w/ 75,264#s of 20/40 sand in 604 bbls of Lightning 17 frac fluid.									
4528-4557'		frac w/ 50,682#s of 20/40 sand in 453 bbls of Lightning 17 frac fluid.									
28. Production - Interval A											
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method		
08/07/09	08/19/09	24	→	47	14	33			2-1/2" x 1-1/2" x 16' x 20' RHAC Central Hydraulic		
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status			
			→					PRODUCING			
28a. Production - Interval B											
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method		
			→								
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status			
			→								

*(See instructions and spaces for additional data on page 2)

RECEIVED
OCT 14 2009

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

29. Disposition of Gas (Solid, used for fuel, vented, etc.)

USED FOR FUEL

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

GEOLOGICAL MARKERS

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
				GARDEN GULCH MRK GARDEN GULCH 1	3555' 3748'
				GARDEN GULCH 2 POINT 3	3852' 4087'
				X MRKR Y MRKR	4357' 4389'
				DOUGALS CREEK MRK BI CARBONATE MRK	4502' 4732'
				B LIMESTON MRK CASTLE PEAK	4827' 5344'
				BASAL CARBONATE TOTAL DEPTH (LOGGERS)	5829' 5887'

32. Additional remarks (include plugging procedure):

Perforate stage #1. CP1 sds @ 5411-14' & 5417-20', CP4 sds @ 5604-06' & CP5 sds @ 5692-95' w/ 3 1/8" slick guns (11 gram, .36" EH, 120°, 16.82" pen, PPG-3111-301 Titan) w/ 3 spf for total of 33 shots.

Stage #5: Perforate GB4 sds @ 4038-40', 4021-24', 4011-14', 4002-04' w/ 3 spf for total of 30 shots. RU BJ & frac w/ 86,985#s of 20/40 sand in 670 bbls of Lightning 17 frac fluid.

33. Indicate which items have been attached by placing a check in the appropriate boxes:

- ☐ Electrical/Mechanical Logs (1 full set req'd.)
 ☐ Geologic Report
 ☐ DST Report
 ☐ Directional Survey
☐ Sundry Notice for plugging and cement verification
 ☐ Core Analysis
 ☐ Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name (please print) Tammi LeeTitle Production ClerkSignature Tammi LeeDate 09/30/2009

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 3)

(Form 3160-4, page 2)

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-74392
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
3. ADDRESS OF OPERATOR: Rt 3 Box 3630, Myton, UT, 84052		8. WELL NAME and NUMBER: FEDERAL 4-28-9-16
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0560 FNL 0494 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 28 Township: 09.0S Range: 16.0E Meridian: S		9. API NUMBER: 43013334070000
PHONE NUMBER: 435 646-4825 Ext		9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
COUNTY: DUCHESNE		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 8/5/2014	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE TUBING	
	<input checked="" type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> CONVERT WELL TYPE	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. The subject well has been converted from a producing oil well to an injection well on 08/05/2014. On 08/01/2014 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 08/05/2014 the casing was pressured up to 1379 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 200 psig during the test. There was a State representative available to witness the test - Chris Jensen.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY August 06, 2014		
NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician
SIGNATURE N/A	DATE 8/6/2014	

Mechanical Integrity Test Casing or Annulus Pressure Test

Newfield Production Company

Rt. 3 Box 3630

Myton, UT 84052

435-646-3721

Witness: Chris Jensen Date 8/5/14 Time 8:30 am pm

Test Conducted by: Jonny Daniels

Others Present: _____

Well: Federal 4-28-9-110

Field: GMBU

Well Location: _____

API No: 4301333407

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1379</u>	psig
5	<u>1380</u>	psig
10	<u>1380</u>	psig
15	<u>1380</u>	psig
20	<u>1380</u>	psig
25	<u>1379</u>	psig
30 min	<u>1379</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

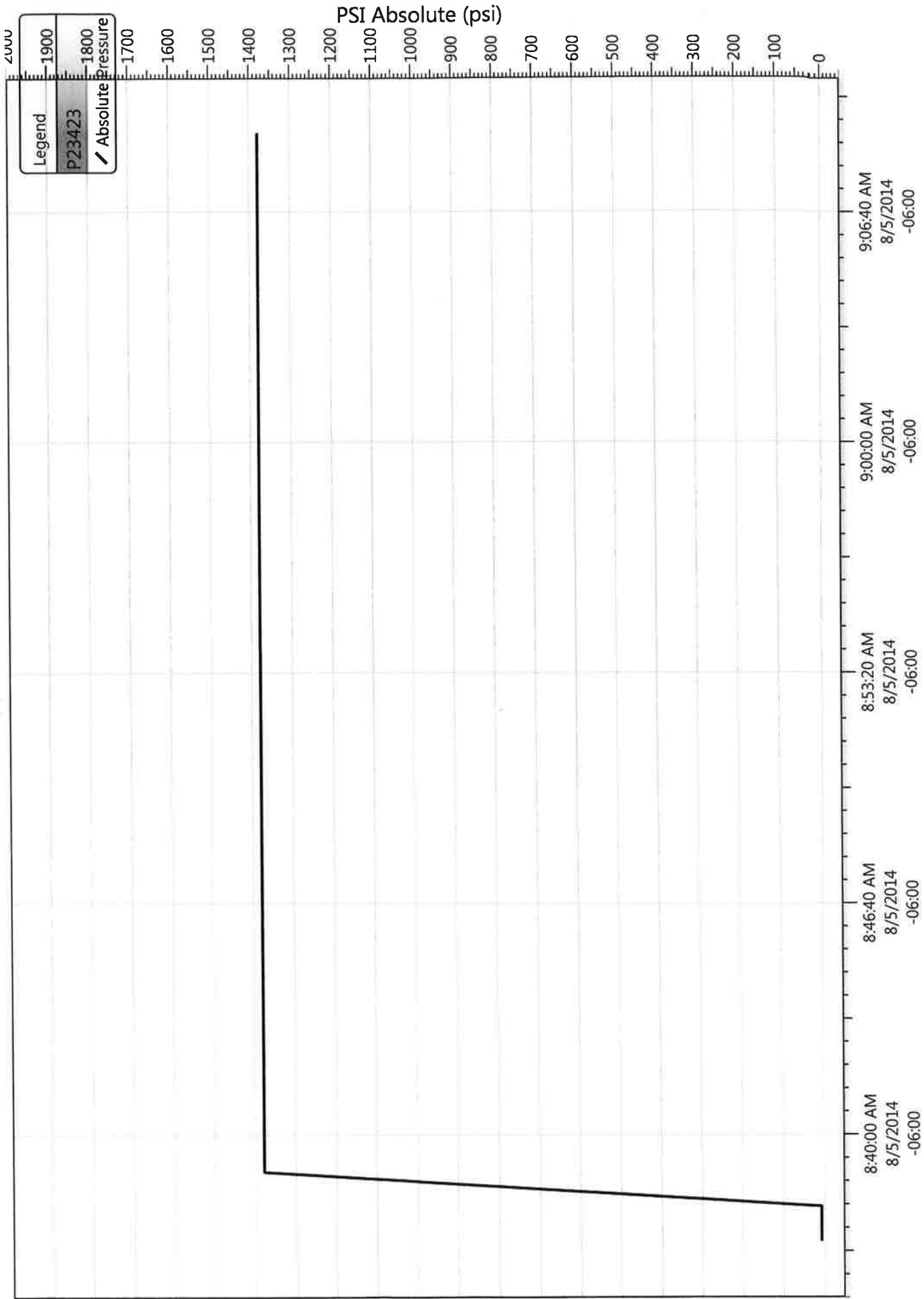
Tubing pressure: 200 psig

Result: Pass Fail

Signature of Witness: Chris Jensen

Signature of Person Conducting Test: Jonny Daniels

4-28-9-16 MIT
8/5/2014 8:36:50 AM



NEWFIELD



Job Detail Summary Report

Well Name: Federal 4-28-9-16

Jobs		Job Start Date	8/1/2014	Job End Date	8/5/2014
Primary Job Type					
Conversion					

Daily Operations

Report Start Date		Report End Date		24hr Activity Summary	
8/1/2014		8/1/2014		MOVE RIG FROM 2-28-9-16 TO 4-28-9-16	
Start Time		End Time		05:00	06:00
		CREW TRAVEL			
Start Time		End Time		06:00	07:00
		NFX SFTY STAND DOWN			
Start Time		End Time		07:00	09:00
		Check pressure 1575psi on CSG. MIT test good rig down			
Start Time		End Time		09:00	10:00
		Move Rig / Equipment from FED. 2-28-9-16 to FED. 4-28-9-16 SIRU			
Start Time		End Time		10:00	12:00
		Remove horse head unseat pump flush TBG with 30bbbls. soft seat pump fill TBG with 11bbbls Test to 3000psi. good test			
Start Time		End Time		12:00	13:00
		Spot in rod trailer RU floor. update JSA			
Start Time		End Time		13:00	17:00
		Lay down rods. stop flush 20bbbls. Lay down rods			
Start Time		End Time		17:00	18:30
		Change over to TBG equip. release TAC NU BOP's shut well in SDFN.			
Start Time		End Time		18:30	19:30
		Crew Travel			
Report Start Date		Report End Date		24hr Activity Summary	
8/4/2014		8/4/2014		POOH BREAK & DOPE, LD TBG, RIH TEST TBG	
Start Time		End Time		06:00	07:00
		Crew travel & JSA			
Start Time		End Time		07:00	12:00
		POOH w 124 Jls. Break & Dope collars			
Start Time		End Time		12:00	13:00
		Lay down extra TBG 57 Jls on trailer			
Start Time		End Time		13:00	14:00
		Pump 15bbl pad drop std valve. Fill TBG w 17bbbls pressure test to 3000psi			
Start Time		End Time		14:00	16:30
		Good test RU sandline fish std valve			
Start Time		End Time		16:30	18:00
		ND BOP's land well on B1 flange pump 50 bbbls PKR fluid (johnson fresh)			
Start Time		End Time		18:00	19:30
		PU set PKR w 15k tension MU injection valve fill CSG w 25bbbls pressure to 1400psi. watch pressure for 0 loss test			
Start Time		End Time		19:30	20:30
		Crew Travel			
Report Start Date		Report End Date		24hr Activity Summary	
8/5/2014		8/5/2014		CONDUCT MIT. RDMO	
Start Time		End Time		07:00	08:00
		CREW TRAVEL & JSA			
Start Time		End Time		08:00	09:00
		Check CSG 1390psi lost 20 psi over night			



Job Detail Summary Report

Well Name: Federal 4-28-9-16

Start Time	09:00	End Time	10:30	Comment On 08/01/2014 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 08/05/2014 the casing was pressured up to 1379 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 200 psig during the test. There was a State representative available to witness the test - Chris Jensen.
Start Time	10:30	End Time	11:30	Comment RIG DOWN MOVE RIG TO 1-28-9-16

NEWFIELD**Schematic****Well Name: Federal 4-28-9-16**

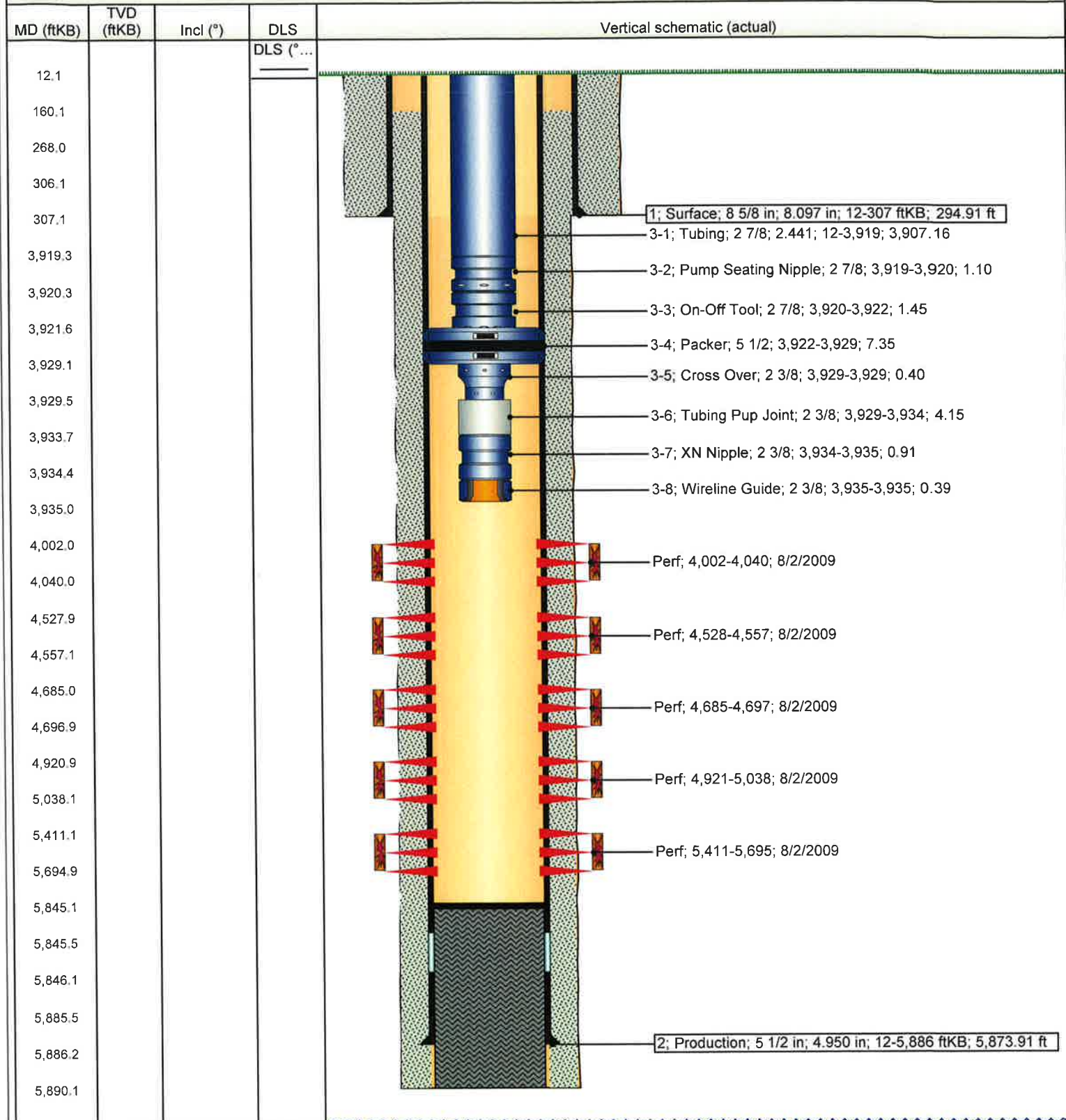
Surface Legal Location 28-9S-16E			API/UWI 43013334070000	Well RC 500173231	Lease	State/Province Utah	Field Name GMBU CTB6	County DUCHESNE
Spud Date	Rig Release Date	On Production Date 8/7/2009	Original KB Elevation (ft) 6,169	Ground Elevation (ft) 6,157	Total Depth All (TVD) (ftKB)		PBTD (All) (ftKB) Original Hole - 5,845.0	

Most Recent Job

Job Category Production / Workover	Primary Job Type Conversion	Secondary Job Type Basic	Job Start Date 8/1/2014	Job End Date 8/5/2014
---------------------------------------	--------------------------------	-----------------------------	----------------------------	--------------------------

TD: 5,890.0

Vertical - Original Hole, 8/6/2014 8:14:02 AM



NEWFIELD
Newfield Wellbore Diagram Data
Federal 4-28-9-16

Surface Legal Location 28-9S-16E				API/UWI 43013334070000		Lease	
County DUCHESNE		State/Province Utah		Basin Uintah Basin		Field Name GMBU CTB6	
Well Start Date 6/22/2009		Spud Date		Final Rig Release Date		On Production Date 8/7/2009	
Original KB Elevation (ft) 6,169	Ground Elevation (ft) 6,157	Total Depth (ftKB) 5,890.0		Total Depth All (TVD) (ftKB)		PBTD (All) (ftKB) Original Hole - 5,845.0	

Casing Strings						
Csg Des	Run Date	OD (in)	ID (in)	Wt/Len (lb/ft)	Grade	Set Depth (ftKB)
Surface	6/24/2009	8 5/8	8.097	24.00	J-55	307
Production	7/15/2009	5 1/2	4.950	15.50	J-55	5,886

Cement				
String: Surface, 307ftKB 6/26/2009				
Cementing Company BJ Services Company	Top Depth (ftKB) 12.0	Bottom Depth (ftKB) 307.0	Full Return?	Vol Cement Ret (bbl)
Fluid Description 2%CACL+.25#/sk Cello flake	Fluid Type Lead	Amount (sacks) 160	Class G	Estimated Top (ftKB) 12.0
String: Production, 5,886ftKB 7/16/2009				
Cementing Company BJ Services Company	Top Depth (ftKB) 160.0	Bottom Depth (ftKB) 5,890.0	Full Return?	Vol Cement Ret (bbl)
Fluid Description	Fluid Type Lead	Amount (sacks) 275	Class Premlite II	Estimated Top (ftKB) 160.0
Fluid Description	Fluid Type Tail	Amount (sacks) 400	Class 50;50;2	Estimated Top (ftKB) 2,500.0

Tubing Strings									
Tubing Description Tubing					Run Date 8/4/2014		Set Depth (ftKB) 3,934.9		
Item Des	Jts	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Top (ftKB)	Btn (ftKB)	
Tubing	124	2 7/8	2.441	6.50	J-55	3,907.16	12.0	3,919.2	
Pump Seating Nipple	1	2 7/8				1.10	3,919.2	3,920.3	
On-Off Tool	1	2 7/8				1.45	3,920.3	3,921.7	
Packer	1	5 1/2				7.35	3,921.7	3,929.1	
Cross Over	1	2 3/8				0.40	3,929.1	3,929.5	
Tubing Pup Joint	1	2 3/8				4.15	3,929.5	3,933.6	
XN Nipple	1	2 3/8				0.91	3,933.6	3,934.5	
Wireline Guide	1	2 3/8				0.39	3,934.5	3,934.9	

Rod Strings							
Rod Description				Run Date		Set Depth (ftKB)	
Item Des	Jts	OD (in)	Wt (lb/ft)	Grade	Len (ft)	Top (ftKB)	Btn (ftKB)

Perforation Intervals							
Stage#	Zone	Top (ftKB)	Btn (ftKB)	Shot Dens (shots/ft)	Phasing (")	Nom Hole Dia (in)	Date
5	GB4, Original Hole	4,002	4,040	3			8/2/2009
4	D1, Original Hole	4,528	4,557	3			8/2/2009
3	C, Original Hole	4,685	4,697	3			8/2/2009
2	LODC, A1, Original Hole	4,921	5,038	3			8/2/2009
1	CP1,4,5, Original Hole	5,411	5,695	3			8/2/2009

Stimulations & Treatments							
Stage#	ISIP (psi)	Frac Gradient (psi/ft)	Max Rate (bbl/min)	Max PSI (psi)	Total Clean Vol (bbl)	Total Slurry Vol (bbl)	Vol Recov (bbl)
5	1,314	0.76	41.0	2,481			
5	1,314	0.76	41.0	2,481			
5	1,314	0.76	41.0	2,481			
5	1,314	0.76	41.0	2,481			
5	1,314	0.76	41.0	2,481			

Proppant		
Stage#	Total Prop Vol Pumped (lb)	Total Add Amount
5		Proppant White Sand 288820 lb
5		Proppant White Sand 288820 lb
5		Proppant White Sand 288820 lb
5		Proppant White Sand 288820 lb
5		Proppant White Sand 288820 lb

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-74392
1. TYPE OF WELL Water Injection Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052		8. WELL NAME and NUMBER: FEDERAL 4-28-9-16
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0560 FNL 0494 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 28 Township: 09.0S Range: 16.0E Meridian: S		9. API NUMBER: 43013334070000
PHONE NUMBER: 435 646-4825 Ext		9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
COUNTY: DUCHESNE		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 10/17/2014	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE TUBING	
	<input checked="" type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> CONVERT WELL TYPE	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. The above reference well was put on injection at 8:53 AM on 10/17/2014.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY October 21, 2014		
NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician
SIGNATURE N/A	DATE 10/21/2014	



GARY R. HERBERT
Governor

SPENCER J. COX
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

UNDERGROUND INJECTION CONTROL PERMIT

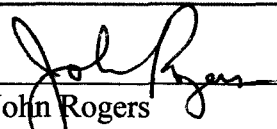
Cause No. UIC-421

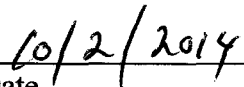
Operator: Newfield Production Company
Well: Federal 4-28-9-16
Location: Section 28, Township 9 South, Range 16 East
County: Duchesne
API No.: 43-013-33407
Well Type: Enhanced Recovery (waterflood)

Stipulations of Permit Approval

1. Approval for conversion to Injection Well issued on June 16, 2014.
2. Maximum Allowable Injection Pressure: 1,662 psig
3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
4. Injection Interval: Green River Formation (3,852' – 5,845')
5. Any subsequent wells drilled within a ½ mile radius of this well shall have production casing cement brought up to or above the top of the unitized interval for the Greater Monument Butte Unit.

Approved by:


John Rogers
Associate Director


Date

JR/MLR/js

cc: Bruce Suchomel, Environmental Protection Agency
Bureau of Land Management, Verna
Jill Loyle, Newfield Production Company, Denver
Newfield Production Company, Myton
Duchesne County
Well File

N:\O&G Reviewed Docs\ChronFile\UIC\Newfield





GARY R. HERBERT
Governor

SPENCER J. COX
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

June 16, 2014

Newfield Production Company
1001 Seventeenth Street, Suite 2000
Denver, CO 80202

Subject: Greater Monument Butte Unit Well: Federal 4-28-9-16, Section 28, Township 9 South, Range 16 East, SLBM, Duchesne County, Utah, API Well # 43-013-33407

Newfield Production Company:

Pursuant to Utah Admin. Code R649-5-3-3, the Division of Oil, Gas and Mining (the "Division") issues its administrative approval for conversion of the referenced well to a Class II injection well. Accordingly, the following stipulations shall apply for full compliance with this approval:

1. Compliance with all applicable requirements for the operation, maintenance and reporting for Underground Injection Control ("UIC") Class II injection wells pursuant to Utah Admin. Code R649-1 et seq.
2. Conformance with all conditions and requirements of the complete application submitted by Newfield Production Company.
3. A casing\tubing pressure test shall be conducted prior to commencing injection.
4. Pressure shall be monitored between the surface casing and the production casing on a regular basis. Any pressure changes observed shall be reported to the Division immediately.
5. The top of the injection interval shall be limited to a depth no higher than 3,852 feet in the Federal 4-28-9-16 well.

A final approval to commence injection will be issued upon satisfactory completion of the listed stipulations. If you have any questions regarding this approval or the necessary requirements, please contact Mark Reinbold at 801-538-5333 or Brad Hill at 801-538-5315.

Sincerely,

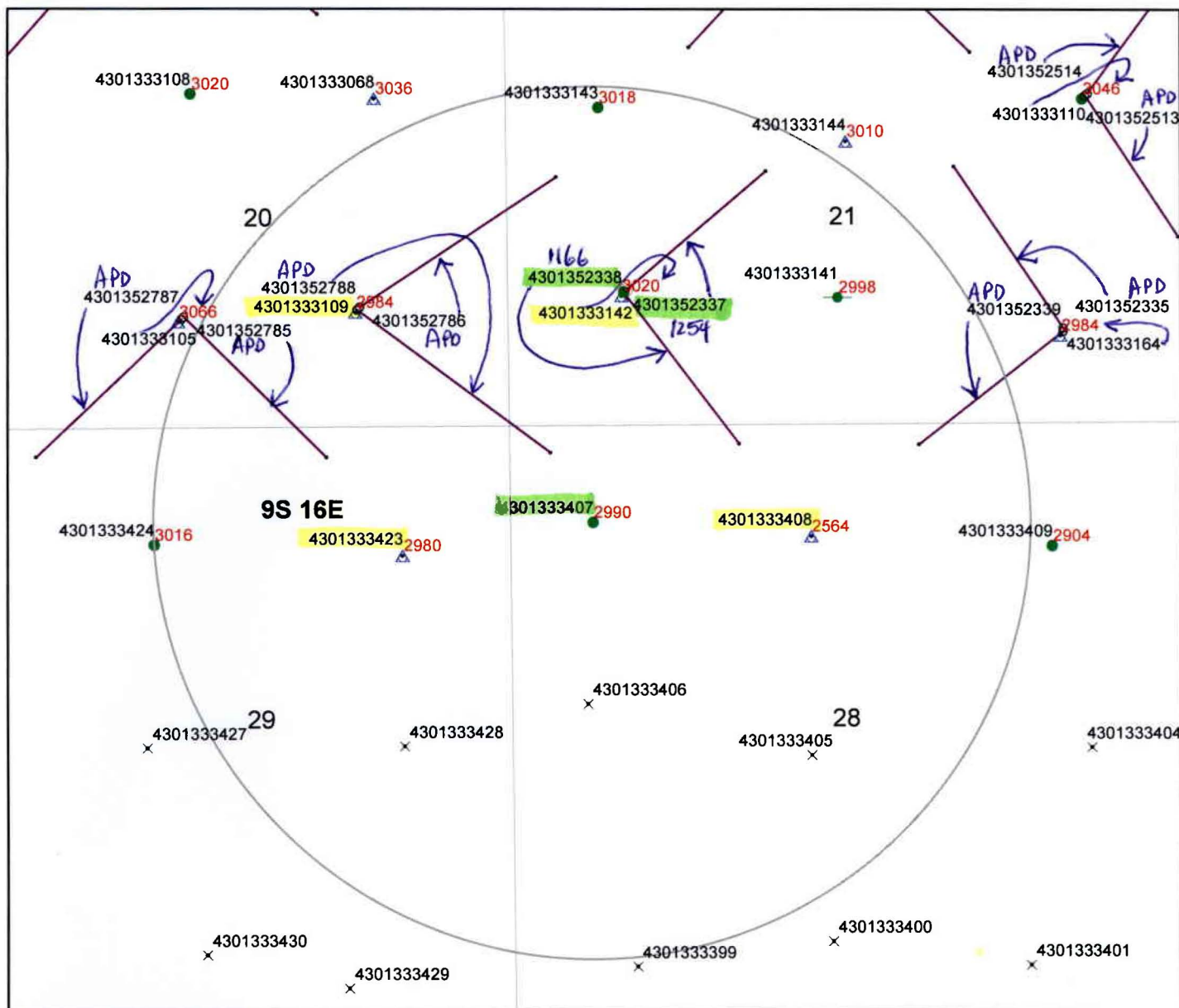
John Rogers
Associate Director

JR/MLR/js

cc: Bruce Suchomel, Environmental Protection Agency
Bureau of Land Management, Vernal
Duchesne County
Newfield Production Company, Myton
Well File

N:\O&G Reviewed Docs\ChronFile\UIC





Legend

Oil & Gas Well Type

- APD-Approved Permit
- ⊙ DRL-Spudded (Drilling Commenced)
- ⚡ GIW-Gas Injection Well
- _{GS} GSW-Gas Storage Well
- × LA-Location Abandoned
- LOC-New Location Well
- OPS-Drilling Operations Suspended
- ⊙ PA-Pugged & Abandoned
- ⚡ PGW-Producing Gas Well
- **POW-Producing Oil Well** *in AOR*
- ▲ RET-Returned APD
- ⚡ SGW-Shut-in Gas Well
- SOW-Shut-in Oil Well
- ⊙ TA-Temp Abandoned
- TW-Test Well
- ⚡ WDW-Water Disposal Well
- ▲ **WIW-Water Injection Well** *in AOR*
- WSW-Water Supply Well

- 4585 Depth to top of suitable cement bond
- Well Bottom Hole Location
- Oil & Gas Wells Hole Directional Path
- Wells-CbitopsMaster 1-31-13
- DNR Oil Gas Wells Buffer
- County Boundaries
- PLSS Sections
- PLSS Townships

Cement Bond Tops Federal 4-28-9-16 API #43-013-33407 UIC-421.8

0 0.05 0.1 0.2 0.3 0.4 Miles



**DIVISION OF OIL, GAS AND MINING
UNDERGROUND INJECTION CONTROL PROGRAM
PERMIT
STATEMENT OF BASIS**

Applicant: Newfield Production Company **Well:** Federal 4-28-9-16

Location: 28/9S/16E **API:** 43-013-33407

Ownership Issues: The proposed well is located on BLM land. The well is located in the Greater Monument Butte Unit. Lands in the one-half mile radius of the well are administered by the BLM. The Federal Government is the mineral owner within the area of review (AOR). Newfield and other various individuals hold the leases in the unit. Newfield has provided a list of all surface, mineral and lease holders in the half-mile radius. Newfield is the operator of the Greater Monument Butte Unit. Newfield has submitted an affidavit stating that all owners and interest owners have been notified of their intent.

Well Integrity: The proposed well has surface casing set at 317 feet and has a cement top at the surface. A 5½ inch production casing is set at 5,886 feet. The cement bond log is somewhat problematic but appears to demonstrate adequate bond in this well up to about 2,990 feet or higher. A 2 7/8 inch tubing with a packer is proposed to be set at 3,952 feet. Higher perforations will be opened at a later date. A mechanical integrity test will be run on the well prior to injection. Based on surface locations, there are 5 producing wells, 4 injection wells and 1 shut-in well in the AOR. The shut-in well is currently in the process of being converted to an injection well. Additionally, there are 2 approved surface locations outside the AOR for directional wells to be drilled to bottom hole locations inside the AOR. All of the existing wells have evidence of adequate casing and cement for the proposed injection interval.

Ground Water Protection: As interpreted from the Utah Geological Survey's DOE Project-Uinta Basin Water Draft Map (Paul B. Anderson, December 2, 2011), the base of moderately saline water (3000-10,000 mg/l TDS) is at a depth of approximately 2800 feet. Injection shall be limited to the interval between 3,852 feet and 5,845 feet in the Green River Formation. Information submitted by Newfield indicates that the fracture gradient for the 4-28-9-16 well is 0.81 psi/ft., which was the lowest reported fracture gradient for the injection zone. The resulting minimum fracture pressure for the proposed injection interval is 1,662 psig. The requested maximum pressure is 1,662 psig. The anticipated average injection pressure is 1100 psig. Injection at this pressure should not initiate any new fractures or propagate existing fractures in the adjacent confining intervals. Any ground water present should be adequately protected.

Federal 4-28-9-16

page 2

Oil/Gas& Other Mineral Resources Protection: The Board of Oil, Gas & Mining approved the Greater Monument Butte Unit on December 1, 2009. Correlative rights issues were addressed at this time. Previous reviews in this area indicate that other mineral resources in the area have been protected or are not at issue.

Bonding: Bonded with the BLM

Actions Taken and Further Approvals Needed: A notice of agency action has been sent to the Salt Lake Tribune and the Uinta Basin Standard. A casing/tubing pressure test will be required prior to injection. It is recommended that approval of this application be granted.

Note: Applicable technical publications concerning water resources in the general vicinity of this project have been reviewed and taken into consideration during the permit review process.

Reviewer(s): Mark Reinbold

Date: 6/16/2014

4770 S. 5600 W.
P.O. BOX 704005
WEST VALLEY CITY, UTAH 84170
FED. TAX I.D.# 87-0217663
801-204-6910

The Salt Lake Tribune

MEDIAONE

Deseret News

PROOF OF PUBLICATION

CUSTOMER'S COPY

CUSTOMER NAME AND ADDRESS	ACCOUNT NUMBER	DATE
DIV OF OIL-GAS & MINING, Rose Nolton 1594 W NORTH TEMP #1210 P.O. BOX 145801 SALT LAKE CITY, UT 84114	9001402352	5/13/2014

ACCOUNT NAME	
DIV OF OIL-GAS & MINING,	
TELEPHONE	ADORDER# / I
8015385340	0000957536 /
SCHEDULE	
Start 05/09/2014	End 05/09/2014
CUST. REF. NO.	
CAUSE NO. UIC-421	
CAPTION	
BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF	
SIZE	
82 Lines	2.00 COL
TIMES	RA
3	
MISC. CHARGES	AD CH
TOTAL	
280.	

AFFIDAVIT OF PUBLICATION

AS NEWSPAPER AGENCY COMPANY, LLC dba MEDIAONE OF UTAH LEGAL BOOKER, I CERTIFY
BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCE
CAUSE NO. UIC-421 IN THE MATTER OF THE APPLICA FOR **DIV OF OIL-GAS & MINING,** W
COMPANY, LLC dba MEDIAONE OF UTAH, AGENT FOR THE SALT LAKE TRIBUNE AND DESERET
ENGLISH LANGUAGE WITH GENERAL CIRCULATION IN UTAH, AND PUBLISHED IN SALT LAKE
NOTICE IS ALSO POSTED ON UTAHLEGALS.COM ON THE SAME DAY AS THE FIRST NEWSPAPER PUBLICATION DATE AND REMAINS ON
UTAHLEGALS.COM INDEFINATELY, COMPLIES WITH UTAH DIGITAL SIGNATURE ACT UTAH CODE 46-2-101; 46-3-104.

PUBLISHED ON Start 05/09/2014 End 05/09/2014

SIGNATURE

DATE 5/13/2014

THIS IS NOT A STATEMENT BUT A "PROOF OF PUBLICATION"
PLEASE PAY FROM BILLING STATEMENT

BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH
NOTICE OF AGENCY ACTION
CAUSE NO. UIC-421

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTION 24, TOWNSHIP 9 SOUTH, RANGE 15 EAST, AND SECTIONS 22, 23, 28, AND 29, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Newfield Production Company, 1001 17th Street, Suite 2000, Denver, Colorado 80202, telephone 303-893-0102, for administrative approval of the following wells located in Duchesne County, Utah, for conversion to Class II injection wells:

Greater Monument Butte Units:
Ashley Federal 12-248-9-15 well located in NW/4 SW/4, Section 24, Township 9 South, Range 15 East
API 43-013-15782
Federal 2-22-9-16 well located in NW/4 NE/4, Section 22, Township 9 South, Range 16 East
API 43-013-32958
Federal 6-22-9-16 well located in SE/4 NW/4, Section 22, Township 9 South, Range 16 East
API 43-013-33026
Federal 8-22-9-16 well located in SE/4 NE/4, Section 22, Township 9 South, Range 16 East
API 43-013-32959
Federal 14-22-9-16 well located in SE/4 SW/4, Section 22, Township 9 South, Range 16 East
API 43-013-33147
Federal 4-23-9-16 well located in NW/4 NW/4, Section 23, Township 9 South, Range 16 East
API 43-013-33177
Federal 2-28-9-16 well located in NW/4 NE/4, Section 28, Township 9 South, Range 16 East
API 43-013-33409
Federal 4-28-9-16 well located in NW/4 NW/4, Section 28, Township 9 South, Range 16 East
API 43-013-33407
Federal 2-29-9-16 well located in NW/4 NE/4, Section 29, Township 9 South, Range 16 East
API 43-013-33424

The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.

Selected zones in the Green River Formation will be used for water injection. The maximum requested injection pressures and rates will be determined based on fracture gradient information submitted by Newfield Production Company.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. The Division's Presiding Officer for the proceeding is Brad Hill, Permitting Manager, at P.O. Box 145801, Salt Lake City, UT 84114-5801, phone number (801) 538-5340. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedural rules. Protestants and/or interveners should be prepared to demonstrate at the hearing how this matter affects their interests.

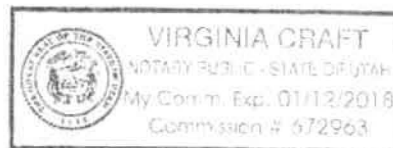
Dated this 6th day of May, 2014.

STATE OF UTAH
DIVISION OF OIL, GAS & MINING
/s/
Brad Hill
Permitting Manager

957536

UPAXLP

ON



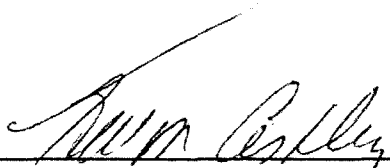
Virginia Craft
NOTARY SIGNATURE

2250/EGUICADMIN/GFR/6131

AFFIDAVIT OF PUBLICATION

County of Duchesne,
STATE OF UTAH

I, Kevin Ashby on oath, say that I am the PUBLISHER of the Uintah Basin Standard, a weekly newspaper of general circulation, published at Roosevelt, State and County aforesaid, and that a certain notice, a true copy of which is hereto attached, was published in the full issue such newspaper for 1 consecutive issues, and that the first publication was on the 13 day of May, 20 14, and that the last publication of such notice was in the issue of such newspaper dated the 13 day of May, 20 14, and that said notice was published on Utahlegals.com on the same day as the first newspaper publication and the notice remained on Utahlegals.com until the end of the scheduled run.

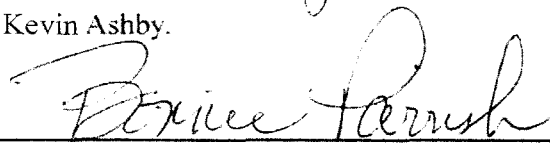


Publisher

Subscribed and sworn to before me on this

16 day of May, 20 14

by Kevin Ashby.



Notary Public

**BEFORE THE
DIVISION
OF OIL, GAS
AND MINING
DEPART-
MENT OF
NATURAL
RESOURCES
STATE OF
UTAH
NOTICE OF
AGENCY
ACTION
CAUSE NO.
UIC-421**

IN THE MAT-
TER OF THE
APPLICATION
OF NEWFIELD
PRODUCTION
COMPANY FOR
ADMINISTRATIVE
APPROVAL OF
CERTAIN WELLS
LOCATED IN SEC-
TION 24, TOWN-
SHIP 9 SOUTH,
RANGE 15 EAST,
AND SECTIONS
22, 23, 28, AND
29, TOWNSHIP 9
SOUTH, RANGE 16
EAST, DUCHESNE
COUNTY, UTAH,
AS CLASS II INJEC-
TION WELLS.

THE STATE OF
UTAH TO ALL PER-
SONS INTERESTED
IN THE ABOVE
ENTITLED MAT-
TER.

Notice is hereby
given that the Divi-
sion of Oil, Gas and
Mining (the "Divi-
sion") is commencing
an informal adjudi-
cative proceeding
to consider the ap-
plication of Newfield
Production Company.

Selected zones
in the Green River
Formation will be
used for water injec-
tion. The maximum
requested injection
pressures and rates
will be determined
based on fracture
gradient informa-
tion submitted by
Newfield Production
Company.

Any person
desiring to object to
the application or
otherwise intervene
in the proceeding,
must file a written
protest or notice of
intervention with
the Division within
fifteen days following
publication of this
notice. The Division's
Presiding Officer
for the proceeding is
Brad Hill, Permitting
Manager, at P.O. Box
145801, Salt Lake
City, UT 84114-5801,
phone number (801)
538-5340. If such
a protest or notice
of intervention is
received, a hearing
will be scheduled
in accordance with
the aforementioned
administrative
procedural rules.
Protestants and/or
interveners should be
prepared to demon-
strate at the hearing
how this matter af-
fects their interests.

Dated this 6th day
of May, 2014.

STATE OF UTAH
DIVISION OF
OIL, GAS & MIN-
ING

Brad Hill
Permitting Man-
ager

Published in the
Uintah Basin Stan-
dard May 15, 2014.

STON / is commencing
an informal adjudicative proceeding to consider the application of Newfield Production Company, 1001 17th Street, Suite 2000, Denver, Colorado 80202, telephone 303-893-0102, for administrative approval of the following wells located in Duchesne County, Utah, for conversion to Class II injection wells:

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12-24R-9-15 well located in NW/4 SW/4, Section 24, Township 9 South, Range 15 East

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API 43-013-32958
Federal 6-22-9-16 well located in SE/4 NW/4, Section 22, Township 9 South, Range 16 East

API 43-013-33026
Federal 8-22-9-16 well located in SE/4 NE/4, Section 22, Township 9 South, Range 16 East

API 43-013-32959
Federal 14-22-9-16 well located in SE/4 SW/4, Section 22, Township 9 South, Range 16 East

API 43-013-33147
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API 43-013-33177
Federal 2-28-9-16 well located in NW/4 NE/4, Section 28, Township 9 South, Range 16 East

API 43-013-33409
Federal 4-28-9-16 well located in NW/4 NW/4, Section 28, Township 9 South, Range 16 East

API 43-013-33407
Federal 2-29-9-16 well located in NW/4 NE/4, Section 29, Township 9 South, Range 16 East

API 43-013-33424

The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.

BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH
NOTICE OF AGENCY ACTION
CAUSE NO. UIC-421

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTION 24, TOWNSHIP 9 SOUTH, RANGE 15 EAST, AND SECTIONS 22, 23, 28, AND 29, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

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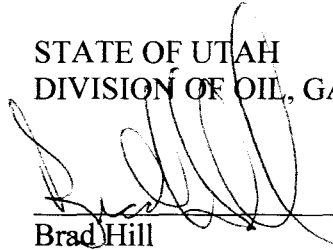
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Dated this 6th day of May, 2014.

STATE OF UTAH
DIVISION OF OIL, GAS & MINING



Brad Hill
Permitting Manager

Newfield Production Company

**ASHLEY FEDERAL 12-24R-9-15, FEDERAL 2-22-9-16, FEDERAL 6-22-9-16,
FEDERAL 8-22-9-16, FEDERAL 14-22-9-16, FEDERAL 4-23-9-16,
FEDERAL 2-28-9-16, FEDERAL 4-28-9-16, FEDERAL 2-29-9-16**

Cause No. UIC-421

Publication Notices were sent to the following:

Newfield Production Company
1001 17th Street, Suite 2000
Denver, CO 80202

Duchesne County Planning
P O Box 317
Duchesne, UT 84021-0317

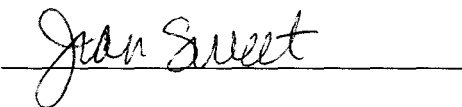
Uintah Basin Standard
268 South 200 East
Roosevelt, UT 84066
via e-mail ubslegals@ubmedia.biz

Bruce Suchomel
US EPA Region 8
MS 8P-W-GW
1595 Wynkoop Street
Denver, CO 80202-1129

Salt Lake Tribune
P O Box 45838
Salt Lake City, UT 84145
via e-mail naclegal@mediaoneutah.com

Newfield Production Company
Rt 3 Box 3630
Myton, UT 84052

Vernal Office
Bureau of Land Management
170 South 500 East
Vernal, UT 84078

A handwritten signature in cursive script, reading "Jean Sweet", is written over a horizontal line.



GARY R. HERBERT
Governor

SPENCER J. COX
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

May 8, 2014

Via e-mail: ubslegals@ubmedia.biz

Uintah Basin Standard
268 South 200 East
Roosevelt, UT 84066

Subject: Notice of Agency Action – Newfield Production Company Cause No. UIC-421

To whom it may concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please notify me via e-mail of the date it will be published. My e-mail address is: jsweet@utah.gov.

Please send proof of publication and billing to:

Division of Oil, Gas and Mining
PO Box 145801
Salt Lake City, UT 84114-5801

Sincerely,

Jean Sweet
Executive Secretary

Enclosure

5/20/2014

State of Utah Mail - Re: Notice of Agency Action Newfield Cause No. UIC-421

Jean Sweet <jsweet@utah.gov>

Re: Notice of Agency Action Newfield Cause No. UIC-421

1 message

Cindy Kleinfelter <ckleinfelter@ubmedia.biz>

Fri, May 9, 2014 at 12:49 PM

To: Jean Sweet <jsweet@utah.gov>

On 5/8/2014 10:39 AM, Jean Sweet wrote:

To whom it may concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please notify me via e-mail of the date it will be published. My e-mail address is: jsweet@utah.gov.

Please send proof of publication and billing to:

Division of Oil, Gas and Mining

PO Box 145801

Salt Lake City, UT 84114-5801

Sincerely,

—

Jean Sweet

Executive Secretary

Utah Division of Oil, Gas and Mining

801-538-5329

I think I replied to this, but if not, it will publish May 13.

Cindy



GARY R. HERBERT
Governor

SPENCER J. COX
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

May 8, 2014

VIA E-MAIL naclegal@mediaoneutah.com

Salt Lake Tribune
P. O. Box 45838
Salt Lake City, UT 84145

Subject: Notice of Agency Action – Newfield Production Company Cause No. UIC-421

To whom it may concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please notify me via e-mail of the date it will be published. My e-mail address is: jsweet@utah.gov.

Please send proof of publication and billing for **account #9001402352** to:

Division of Oil, Gas and Mining
PO Box 145801
Salt Lake City, UT 84114-5801

Sincerely,

Jean Sweet
Executive Secretary

Enclosure

Order Confirmation for Ad #0000957536-01

Client	DIV OF OIL-GAS & MINING	Payor Customer	DIV OF OIL-GAS & MINING
Client Phone	801-538-5340	Payor Phone	801-538-5340
Account#	9001402352	Payor Account	9001402352
Address	1594 W NORTH TEMPLE STE 1210, SALT LAKE CITY UT 84116-3154 USA	Payor Address	1594 W NORTH TEMPLE STE 1210, SALT LAKE CITY UT 84116-3154

Fax 801-359-3940
Email juliecarter@utah.gov

Ordered By Jean
Acct. Exec kstowe

Total Amount \$280.52

Payment Amt \$0.00

Amount Due \$280.52

Tear Sheets 0

Proofs 0

Affidavits 1

Payment Method

Confirmation Notes:

Text: Jean

Ad Type	Ad Size	Color
Legal Liner	2.0 X 82 Li	<NONE>

Product	Placement	Position
Salt Lake Tribune::	Legal Liner Notice - 0998	998-Other Legal Notices
Scheduled Date(s):	5/9/2014	

Product	Placement	Position
Deseret News::	Legal Liner Notice - 0998	998-Other Legal Notices
Scheduled Date(s):	5/9/2014	

Product	Placement	Position
utahlegals.com::	utahlegals.com	utahlegals.com
Scheduled Date(s):	5/9/2014	

Ad Content Proof Actual Size

BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH
NOTICE OF AGENCY ACTION
CAUSE NO. UIC-421

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTION 24, TOWNSHIP 9 SOUTH, RANGE 15 EAST, AND SECTIONS 22, 23, 28, AND 29, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Newfield Production Company, 1001 17th Street, Suite 2000, Denver, Colorado 80202, telephone 303-893-0102, for administrative approval of the following wells located in Duchesne County, Utah, for conversion to Class II injection wells:

Greater Monument Butte Unit:
Ashley Federal 12-24R-9-15 well located in NW/4 SW/4, Section 24, Township 9 South, Range 15 East
API 43-013-15782
Federal 2-22-9-16 well located in NW/4 NE/4, Section 22, Township 9 South, Range 16 East
API 43-013-32958
Federal 6-22-9-16 well located in SE/4 NW/4, Section 22, Township 9 South, Range 16 East
API 43-013-33026
Federal 8-22-9-16 well located in SE/4 NE/4, Section 22, Township 9 South, Range 16 East
API 43-013-32959
Federal 14-22-9-16 well located in SE/4 SW/4, Section 22, Township 9 South, Range 16 East
API 43-013-33147
Federal 4-23-9-16 well located in NW/4 NW/4, Section 23, Township 9 South, Range 16 East
API 43-013-33177
Federal 2-28-9-16 well located in NW/4 NE/4, Section 28, Township 9 South, Range 16 East
API 43-013-33409
Federal 4-28-9-16 well located in NW/4 NW/4, Section 28, Township 9 South, Range 16 East
API 43-013-33407
Federal 2-29-9-16 well located in NW/4 NE/4, Section 29, Township 9 South, Range 16 East
API 43-013-33424

The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.

Selected zones in the Green River Formation will be used for water injection. The maximum requested injection pressures and rates will be determined based on fracture gradient information submitted by Newfield Production Company.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. The Division's Presiding Officer for the proceeding is Brad Hill, Permitting Manager, at P.O. Box 145801, Salt Lake City, UT 84114-5801, phone number (801) 538-5340. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedural rules. Protestants and/or interveners should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 6th day of May, 2014.

STATE OF UTAH
DIVISION OF OIL, GAS & MINING
/s/
Brad Hill
Permitting Manager

957536

UPAXIP

NEWFIELD



Newfield Exploration Company

1001 17th Street | Suite 2000

Denver, Colorado 80202

PH 303-893-0102 | FAX 303-893-0103

April 23, 2014

Mr. Mark Reinbold
State of Utah
Division of Oil, Gas and Mining
1594 W North Temple
Salt Lake City, Utah 84114-5801

RECEIVED

APR 25 2014

DIV. OF OIL, GAS & MINING

RE: Permit Application for Water Injection Well
Federal #4-28-9-16
Monument Butte Field, Lease #UTU-74392
Section 28-Township 9S-Range 16E
Duchesne County, Utah

Dear Mr. Reinbold:

Newfield Production Company herein requests approval to convert the Federal #4-28-9-16 from a producing oil well to a water injection well in the Monument Butte (Green River) Field.

I hope you find this application complete; however, if you have any questions or require additional information, please contact me at (303) 893-0102.

Sincerely,


Jill L. Loyle
Regulatory Associate

NEWFIELD PRODUCTION COMPANY
APPLICATION FOR APPROVAL OF CLASS II INJECTION WELL
FEDERAL #4-28-9-16
MONUMENT BUTTE FIELD (GREEN RIVER) FIELD
LEASE #UTU-74392
APRIL 23, 2014

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STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

APPLICATION FOR INJECTION WELL - UIC FORM 1

OPERATOR Newfield Production Company
ADDRESS 1001 17th Street, Suite 2000
Denver, Colorado 80202

Well Name and number: Federal #4-28-9-16
Field or Unit name: Monument Butte (Green River) Lease No. UTU-74392
Well Location: QQ NWNW section 28 township 9S range 16E county Duchesne

Is this application for expansion of an existing project? Yes [X] No []

Will the proposed well be used for: Enhanced Recovery? Yes [X] No []
Disposal? Yes [] No [X]
Storage? Yes [] No [X]

Is this application for a new well to be drilled? Yes [] No [X]

If this application is for an existing well,
has a casing test been performed on the well? Yes [] No [X]

Date of test: _____

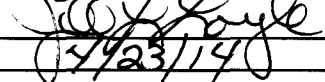
API number: 43-013-33407

Proposed injection interval: from 3852 to 5845
Proposed maximum injection: rate 500 bpd pressure 1662 psig
Proposed injection zone contains [x] oil, [] gas, and/or [] fresh water within 1/2
mile of the well.

IMPORTANT: Additional information as required by R615-5-2 should
accompany this form.

List of Attachments: Attachments "A" through "H-1"

I certify that this report is true and complete to the best of my knowledge.

Name: Jill L. Loyle Signature 
Title: Regulatory Associate Date 4/23/14
Phone No. (303) 383-4135

(State use only)

Application approved by _____ Title _____

Approval Date _____

Comments:

Federal 4-28-9-16

Spud Date: 6/24/2009
Put on Production: 8/7/2009
GL: 6157' KB: 6169'

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts (267.77')
DEPTH LANDED: 316.80' KB
HOLE SIZE: 12-1/4"
CEMENT DATA: 160 sx class 'G' cmt

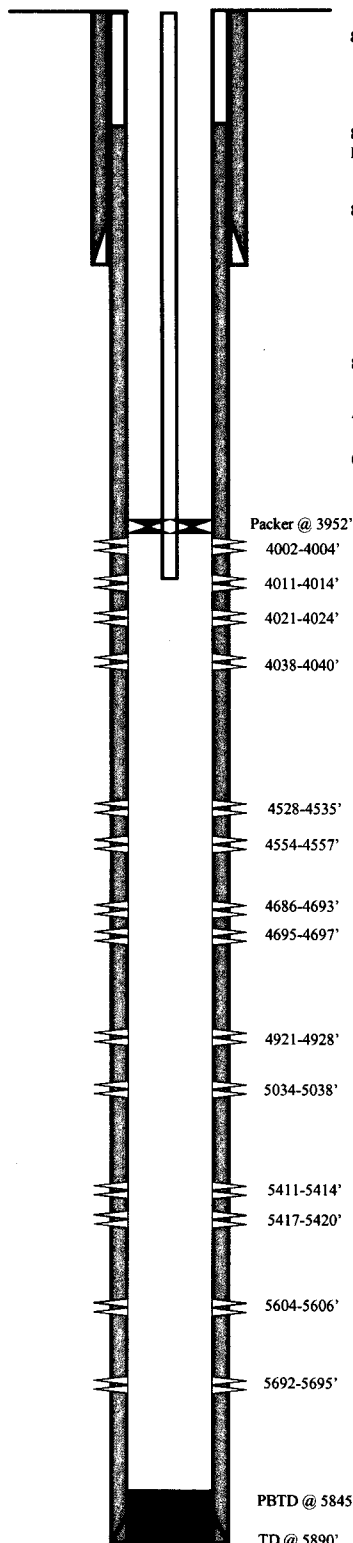
PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 150 jts (5833.3')
DEPTH LANDED: 5885.91'
HOLE SIZE: 7-7/8"
CEMENT DATA: 275 sx Prem Lite and 400 sx 50/50 Poz
CEMENT TOP AT: 160'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 178 jts (5597')
TUBING ANCHOR: 5609' KB
NO. OF JOINTS: 1 jt (31.4')
SEATING NIPPLE: 2-7/8" (1.1')
SN LANDED AT: 5643' KB
NO. OF JOINTS: 2 jts (63.1')
TOTAL STRING LENGTH: EOT @ 5707'

Proposed Injection Wellbore Diagram



FRAC JOB

8-7-09 5411-5695' Frac CP1, CP4, & CP5 sands as follows: Frac with 20,0331#s of 20/40 sand in 120 bbls of Lightning 17 frac fluid.

8-7-09 4921-5038' Frac LODC & A1 sands as follows: Frac with 55,558#s of 20/40 sand in 240 bbls of Lightning 17 frac fluid.

8-7-09 4686-4697' Frac C sands as follows: Frac with 75,264#s of 20/40 sand in 317 bbls of Lightning 17 frac fluid.

8-7-09 4528-4557' Frac D1 sands as follows: Frac with 50,682#s of 20/40 sand in 215 bbls of Lightning 17 frac fluid.

8-7-09 4002-4040' Frac GB4 sands as follows: Frac with 86,985#s of 20/40 sand in 379 bbls of Lightning 17 frac fluid. Parted rods. Updated rod and tubing detail.

7/16/2010
03/12/11
Pump Change Rod & tubing updated.

PERFORATION RECORD

5692-5695'	3 JSPF	9 holes
5604-5606'	3 JSPF	6 holes
5417-5420'	3 JSPF	9 holes
5411-5414'	3 JSPF	9 holes
5034-5038'	3 JSPF	12 holes
4921-4928'	3 JSPF	21 holes
4695-4697'	3 JSPF	6 holes
4686-4693'	3 JSPF	21 holes
4554-4557'	3 JSPF	9 holes
4528-4535'	3 JSPF	21 holes
4038-4040'	3 JSPF	6 holes
4021-4024'	3 JSPF	9 holes
4011-4014'	3 JSPF	9 holes
4002-4004'	3 JSPF	6 holes



Federal 4-28-9-16

560' FNL & 494' FWL NW/NW

Section 28-T9S-R16E

Duchesne Co, Utah

API # 43-013-33407; Lease # UTU-74392

JL 3/21/2014

WORK PROCEDURE FOR INJECTION CONVERSION

1. Rig up hot oil truck to casing. Pump water. Unseat pump. Flush rods. Trip out of hole with rods and pump.
2. Trip out of hole with tubing, breaking and doping every connection. Trip in hole with packer and tubing. Rig up water truck to casing. Pump packer fluid. Set packer.
3. Test casing and packer.
4. Rig down and move out.

**REQUIREMENTS FOR INJECTION OF FLUIDS INTO RESERVOIRS
RULE R615-5-1**

- 1. Operations to increase ultimate recovery, such as cycling of gas, the maintenance of pressure, the introduction of gas, water or other substances into a reservoir for the purpose of secondary or other enhanced recovery or for storage and the injection of water into any formation for the purpose of water disposal shall be permitted only by order of the Board after notice and hearing.**
- 2. A request for agency action for authority for the injection of gas, liquified petroleum gas, air, water or any other medium into any formation for any reason, including but not necessarily limited to the establishment of or the expansion of waterflood projects, enhanced recovery projects, and pressure maintenance projects shall contain:**

2.1 The name and address of the operator of the project.

Newfield Production Company
1001 17th Street, Suite 2000
Denver, Colorado 80202

2.2 A plat showing the area involved and identifying all wells, including all proposed injection wells, in the project area and within one-half mile of the project area.

See Attachment A.

2.3 A full description of the particular operation for approval is requested.

Approval is requested to convert the Federal #4-28-9-16 from a producing oil well to a water injection well in Monument Butte (Green River) Field.

2.4 A description of the pools from which the identified wells are producing or have produced.

The proposed injection well will inject into the Green River Formation.

2.5 The names, description and depth of the pool or pools to be affected.

The injection zone is in the Green River Formation. For the Federal #4-28-9-16 well, the proposed injection zone is from Garden Gulch to Basal Carbonate (3852' - 5845'). The confining strata directly above and below the injection zones are the Garden Gulch and the top of the Wasatch Formation or TD, which ever is shallower. The Garden Gulch Marker top is at 3554' and the TD is at 5890'.

2.6 A copy of a log of a representative well completed in the pool.

The referenced log for the Federal #4-28-9-16 is on file with the Utah Division of Oil, Gas and Mining.

- 2.7 A statement as to the type of fluid to be used for injection, its source and the estimated amounts to be injected daily.**

The primary type and source of fluid to be used for injection will be culinary water commingled with produced water. The average estimated injection of fluids will be at a rate of 300 BPD, and the estimated maximum injection will be at a rate of 500 BPD.

- 2.8 A list of all operators and surface owners within one-half mile radius of the proposed project.**

See Attachment B.

- 2.9 An affidavit certifying that said operators or owners and surface owners within a one-half mile radius have been provided a copy of the petition for injection.**

See Attachment C.

- 2.10 Any additional information the Board may determine is necessary to adequately review the petition.**

Newfield Production Company will supply any additional information requested by the Utah Division of Oil, Gas and Mining.

- 4.0 Establish recovery projects may be expanded and additional wells placed on injection only upon authority from the Board after notice and hearing or by administrative approval.**

This proposed injection well is on a Federal lease (Lease #UTU-74392) in the Monument Butte Federal (Green River) Field, and this request is for administrative approval.

**REQUIREMENTS FOR CLASS II INJECTION WELLS INCLUDING WATER DISPOSAL,
STORAGE AND ENHANCED RECOVERY WELLS
SECTION V – RULE R615-5-2**

- 1. Injection well shall be completed, equipped, operated, and maintained in a manner that will prevent pollution and damage to any USDW, or other resources and will confine injected fluids to the interval approved.**
- 2. The application for an injection well shall include a properly completed Form DOGM-UIC-1 and the following:**
 - 2.1 A plat showing the location of the injection well, all abandoned or active wells within a one-half mile radius of the proposed wells, and the surface owner and the operator of any lands or producing leases, respectively, within a one-half mile radius of the proposed injection well.**

See Attachments A and B.
 - 2.2 Copies of electrical or radioactive logs, including gamma ray logs, for the proposed well run prior to the installation of casing and indicating resistivity, spontaneous potential, caliper and porosity.**

All logs are on file with the Utah Division of Oil, Gas and Mining.
 - 2.3 A copy of a cement bond or comparable log run for the proposed injection well after casing was set and cemented.**

A copy of the cement bond log is on file with the Utah Division of Oil, Gas and Mining.
 - 2.4 Copies of logs already on file with the Division should be referenced, but need not be refiled.**

All copies of logs are on file with the Utah Division of Oil, Gas and Mining.
 - 2.5 A description of the casing or proposed casing program of the injection well and of the proposed method for testing the casing before use of the well.**

The casing program is 8-5/8", 24# surface casing run to 317' KB, and 5-1/2", 15.5# casing run from surface to 5886' KB. A casing integrity test will be conducted at the time of conversion. See Attachment E.
 - 2.6 A statement as to the type of fluid to be used for injection, its source and estimated amounts to be injected daily.**

The primary type and source of fluid to be used for injection will be culinary water commingled with produced water. The estimated average rate of injection will be 300 BPD, and the estimated maximum rate of injection will be 500 BPD.
 - 2.7 Standard laboratory analysis of the fluid to be injected, the fluid in the formation into which the fluid is being injected, and the compatibility of the fluids.**

See Attachment F.

2.8 The proposed average and maximum injection pressures.

The proposed average injection pressure will be approximately 1100 psig and the maximum injection pressure will not exceed 1662 psig.

2.9 Evidence and data to support a finding that the proposed injection well will not initiate fractures through the overlying strata or a confining interval that could enable the injected fluid or formation fluid to enter the fresh water strata.

The minimum fracture gradient for the Federal #4-28-9-16, for existing perforations (4002' - 5695') calculates at 0.81 psig/ft. The maximum injection pressures will be limited so as not to exceed this gradient. A step rate test will be performed periodically to ensure we are below parting pressure. The proposed maximum injection pressure is 1662 psig. We may add additional perforations between 3554' and 5890'. See Attachments G and G-1.

2.10 Appropriate geological data on the injection interval and confining beds, including the geologic name, lithologic description, thickness, depth, and lateral extent.

In the Federal #4-28-9-16, the proposed injection zone (3852' - 5845') is in the Garden Gulch to the Basal Carbonate of the Green River Formation. The reservoir is a very fine-grained sandstone with minor imbedded shale streaks. The estimated porosity is 13%. The members are composed of porous and permeable lenticular calcareous sandstone and low porosity carbonates and calcareous shale. The porous and lenticular sandstone varies in thickness from 0-31' and is confined to the Monument Butte Federal Field. Outside the Monument Butte Federal Field, the sandstone is composed of tight, very fine, silty, calcareous sandstone, less than 3' thick. The stratum confining the injection zone is composed of tight, moderately calcareous, sandy lacustrine shale. All of the confining strata are impermeable, and will effectively seal off the oil, gas, and water of the injection zone from any strata directly above or below it.

2.11 A review of the mechanical condition of each well within a one-half mile radius of the proposed injection well to assure that no conduit exists that could enable fluids to migrate up or down the wellbore and enter the improper intervals.

See Attachments E through E-9.

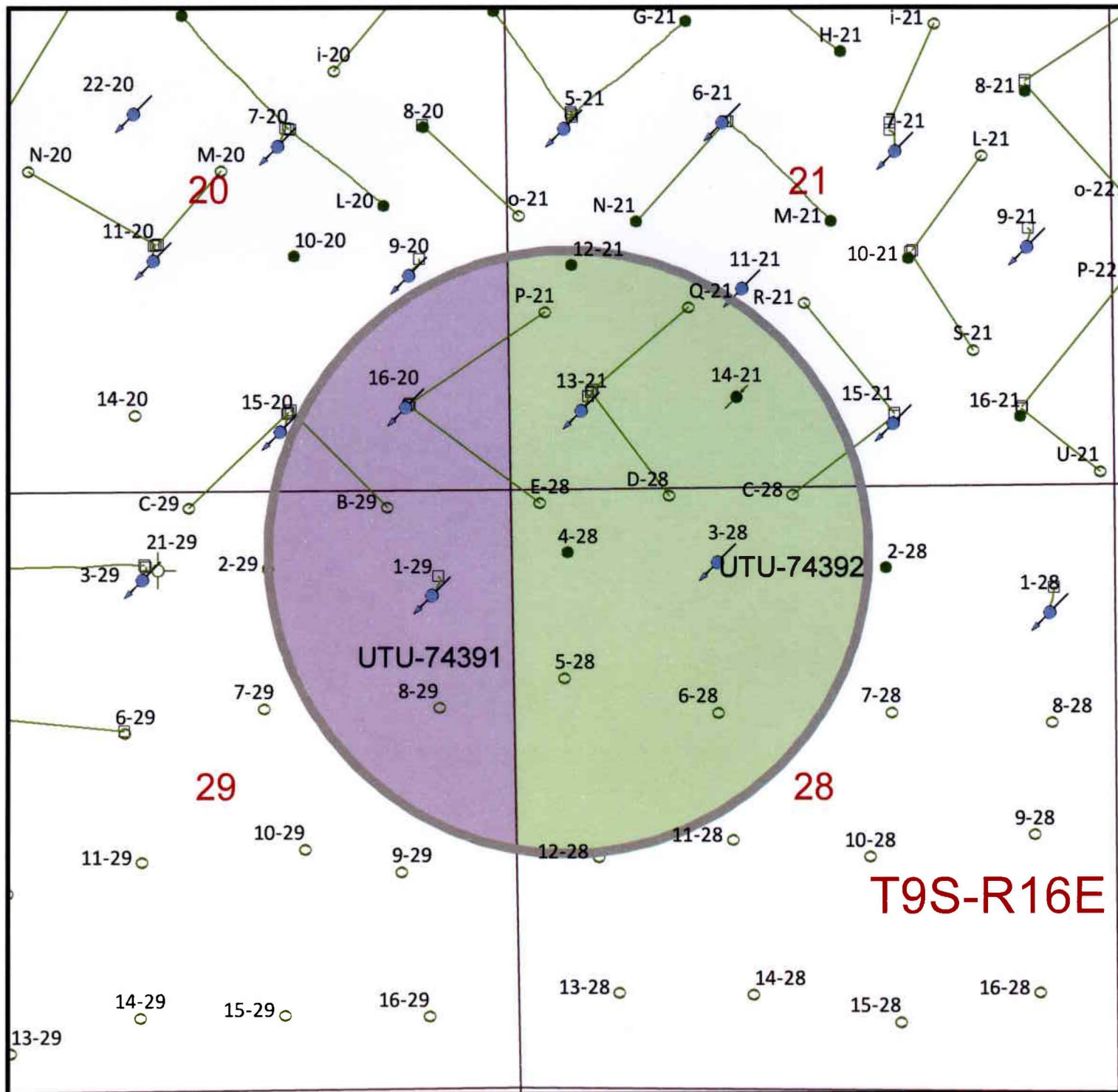
Additionally, the injection system will be equipped with high and low pressure shut down devices that will automatically shut in injection waters if a system blockage or leakage occurs. One way check valves will also ensure proper flow management. Relief valves will also be utilized for high-pressure relief.

2.12 An affidavit certifying that a copy of the application has been provided to all operators or owners, and surface owners within a one-half mile radius of the proposed injection well.

See Attachment C.

2.13 Any other information that the Board or Division may determine is necessary to adequately review the application.

Newfield Production Company will supply any requested information to the Board or Division.



Lease Number

- UTU-74391
- UTU-74392

Half-Mile Buffer

Well Status

- Location
- Surface Spud
- Drilling
- Waiting on Completion
- Producing Oil Well
- Producing Gas Well
- Water Injection Well
- Water Disposal Well
- Dry Hole
- Temporarily Abandoned
- Plugged & Abandoned
- Shut In
- Well Surface Location

Federal 4-28-9-16
Section 28, T9S-R16E



1/2 Mile Radius Map

Duchesne County

1001 17th Street Suite 2000
Denver, Colorado 80202
Phone: (303) 893-0102

March 13, 2014

WELL LOCATION, 9 MILE 4-28-9-16,
LOCATED AS SHOWN IN THE NW 1/4 NW
1/4 OF SECTION 28, T9S, R16E,
S.L.B.&M. DUCHESNE COUNTY, UTAH.



THIS IS TO CERTIFY THAT THE ABOVE DEED WAS
PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS
MADE BY ME OR UNDER MY SUPERVISION AND THAT
THE SAME ARE TRUE AND CORRECT TO THE BEST OF
MY KNOWLEDGE AND BELIEF. No. 189377

STACY W.
STEWART
REGISTERED LAND SURVEYOR
REGISTRATION No. 18033
STATE OF UTAH

TRI STATE LAND SURVEYING & CONSULTING
180 NORTH VERNAL AVE. - VERNAL, UTAH 84078
(435) 781-2501

DATE SURVEYED:
07-07-06

SURVEYED BY: C.M.

DATE DRAWN:
07-12-06

DRAWN BY: F.T.M.

REVISÉ:

SCALE: 1" = 1000'

 = SECTION CORNERS LOCATED

BASIS OF ELEV;
U.S.G.S. 7-1/2 min QUAD (MYTON SW)

9 MILE 4-28-9-16
(Surface Location) NAD 83
LATITUDE = 40° 00' 27.32"
LONGITUDE = 110° 07' 55.20"

EXHIBIT B

#	Legal Description	Lessor & Expiration	Lessee & Operating Rights	Surface Owner
1	T9S-R16E SLM	USA	Newfield Production Company	USA
	Section 19: E2SW, SE, LOTS 3, 4	UTU-74391	Newfield RMI LLC	
	Section 20: S2	HBP	ABO Petroleum Corp	
	Section 29: All		MYCO Industries Inc	
	Section 30: All		OXY Y-1 Company	
			Yates Petroleum Corp	
2	T9S-R16E SLM	USA	Newfield Production Company	USA
	Section 21: S2	UTU-74392	Newfield RMI LLC	
	Section 22: NENE, S2	HBP	ABO Petroleum Corp	
	Section 23: SWSW		MYCO Industries Inc	
	Section 24: SESE		OXY Y-1 Company	
	Section 26: NENE		Yates Petroleum Corp	
	Section 27: All			
	Section 28: All			

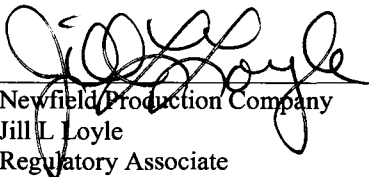
ATTACHMENT C

CERTIFICATION FOR SURFACE OWNER NOTIFICATION

RE: Application for Approval of Class II Injection Well
Federal #4-28-9-16

I hereby certify that a copy of the injection application has been provided to all surface owners within a one-half mile radius of the proposed injection well.

Signed: _____


Newfield Production Company
Jill L. Loyle
Regulatory Associate

Sworn to and subscribed before me this 23rd day of April, 2014.

Notary Public in and for the State of Colorado: _____



My Commission Expires: _____

12/31/15

LYDIA BIONDO
Notary Public
State of Colorado

Federal 4-28-9-16

Spud Date: 6/24/2009
 Put on Production: 8/7/2009
 GL: 6157' KB: 6169'

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts (267.77')
 DEPTH LANDED: 316.80' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sx class 'G' cmt

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 150 jts (5833.3')
 DEPTH LANDED: 5885.91'
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 275 sx Prem Lite and 400 sx 50/50 Poz
 CEMENT TOP AT: 160'

TUBING

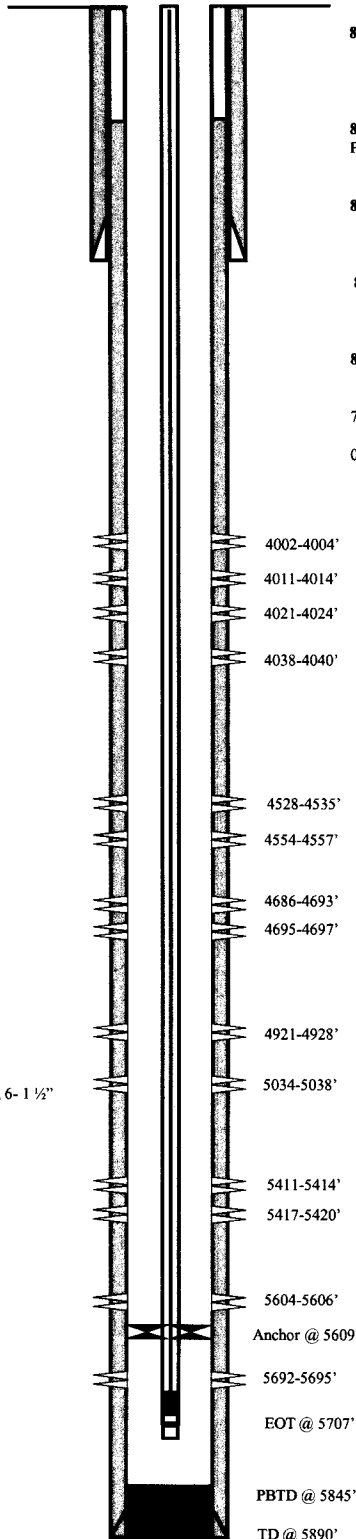
SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 178 jts (5597')
 TUBING ANCHOR: 5609' KB
 NO. OF JOINTS: 1 jt (31.4')
 SEATING NIPPLE: 2-7/8" (1.1')
 SN LANDED AT: 5643' KB
 NO. OF JOINTS: 2 jts (63.1')
 TOTAL STRING LENGTH: EOT @ 5707'

SUCKER RODS

POLISHED ROD: 1 1/2" x 30'
 SUCKER RODS: 1- 6', 4' x 3/4" pony rod, 219-3/4" guided rods (4 per), 6- 1 1/2" sinker bars
 PUMP SIZE: 2 1/2" x 1 1/2" x 16' x 20" RHAC
 STROKE LENGTH: 122"
 PUMP SPEED, SPM: 4.5

FRAC JOB

8-7-09 5411-5695' Frac CP1, CP4, & CP5 sands as follows: Frac with 20,0331#s of 20/40 sand in 120 bbls of Lightning 17 frac fluid.
 8-7-09 4921-5038' Frac LODC & A1 sands as follows: 20/40 sand in 240 bbls of Lightning 17 frac fluid.
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 7/16/2010
 03/12/11 Pump Change Rod & tubing updated.

PERFORATION RECORD

5692-5695'	3 JSPF	9 holes
5604-5606'	3 JSPF	6 holes
5417-5420'	3 JSPF	9 holes
5411-5414'	3 JSPF	9 holes
5034-5038'	3 JSPF	12 holes
4921-4928'	3 JSPF	21 holes
4695-4697'	3 JSPF	6 holes
4686-4693'	3 JSPF	21 holes
4554-4557'	3 JSPF	9 holes
4528-4535'	3 JSPF	21 holes
4038-4040'	3 JSPF	6 holes
4021-4024'	3 JSPF	9 holes
4011-4014'	3 JSPF	9 holes
4002-4004'	3 JSPF	6 holes

NEWFIELD



Federal 4-28-9-16

560' FNL & 494' FWL NW/NW

Section 28-T9S-R16E

Duchesne Co, Utah

API # 43-013-33407; Lease # UTU-74392

TW 08/08/11

Federal 12-21-9-16

Spud Date: 7-30-07
Put on Production: 8-28-07

GL: 6054' KB: 6066'

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts (302.22')
DEPTH LANDED: 313.23' KB
HOLE SIZE: 12-1/4"
CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt to surf.

PRODUCTION CASING

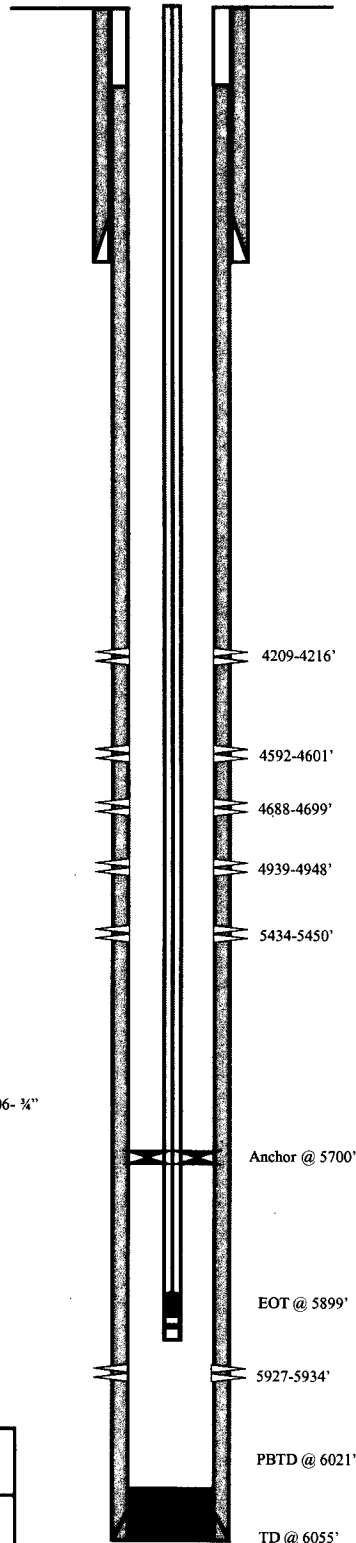
CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 149 jts. (6047.38')
DEPTH LANDED: 6061.02' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.
CEMENT TOP AT: 152'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55
NO. OF JOINTS: 181 jts (5688.)
TUBING ANCHOR: 5700.' KB
NO. OF JOINTS: 2 jts (63.00')
SEATING NIPPLE: 2-7/8" (1.10')
SN LANDED AT: 5766.' KB
NO. OF JOINTS: 1 jts (31.50')
GAS ANCHOR: 5799
NO. OF JOINTS: 3 jts (94.6)
TOTAL STRING LENGTH: EOT @ 5899' KB

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM
SUCKER RODS: 1-4', 1-8' X 3/4" Pony Rods, 99- 3/4" guided rods, 106- 3/4" plain rods, 19- 3/4" guided rods, 6-1 1/2" sinker bars.
PUMP SIZE: 2-1/2" x 1-1/2" x 16" RHAC w/SM plunger
STROKE LENGTH: 86"
PUMP SPEED, SPM: 5 SPM

Wellbore Diagram

Initial Production: BOPD,
MCFD, BWPD

FRAC JOB

08-24-07	5927-5934'	Frac BSLS sands as follows: 29629# 20/40 sand in 415 bbls Lightning 17 frac fluid. Treated @ avg press of 2275 psi w/avg rate of 24.7 BPM. ISIP 2025 psi. Calc flush: 5925 gal. Actual flush: 5376 gal.
08-24-07	5434-5450'	Frac CPI sands as follows: 70328# 20/40 sand in 585 bbls Lightning 17 frac fluid. Treated @ avg press of 2158 psi w/avg rate of 24.7 BPM. ISIP 2435 psi. Calc flush: 5432 gal. Actual flush: 4872 gal.
08-24-07	4939-4948'	Frac A3 sands as follows: 39870# 20/40 sand in 412 bbls Lightning 17 frac fluid. Treated @ avg press of 2105 psi w/avg rate of 24.7 BPM. ISIP 2375 psi. Calc flush: 4937 gal. Actual flush: 4410 gal.
08-24-07	4688-4699'	Frac C sand as follows: 47661# 20/40 sand in 452 bbls Lightning 17 frac fluid. Treated @ avg press of 1903 w/avg rate of 24.7 BPM. ISIP 2075 psi. Calc flush: 4686 gal. Actual flush: 4221 gal.
08-24-07	4592-4601'	Frac D2 sand as follows: 48185# 20/40 sand in 445 bbls Lightning 17 frac fluid. Treated @ avg press of 1687 w/avg rate of 24.7 BPM. ISIP 1740 psi. Calc flush: 4590 gal. Actual flush: 4074 gal.
08-24-07	4209-4216'	Frac pb8 sand as follows: 37092# 20/40 sand in 322 bbls Lightning 17 frac fluid. Treated @ avg press of 2218 w/avg rate of 24.7 BPM. ISIP 3225 psi. Calc flush: 4207 gal. Actual flush: 1718 gal.
12-12-07		Pump Change. Updated rod & tubing details.
10/26/09		Pump Change. Updated rod & tubing details.
10/14/11		Pump Change. Updated rod & tubing details.

PERFORATION RECORD

08-20-07	5927-5934'	4 JSPF	28 holes
08-24-07	5434-5450'	4 JSPF	64 holes
08-24-07	4939-4948'	4 JSPF	36 holes
08-24-07	4688-4699'	4 JSPF	44 holes
08-24-07	4592-4601'	4 JSPF	36 holes
08-24-07	4209-4216'	4 JSPF	28 holes

NEWFIELD**Federal 12-21-9-16**

1952' FSL & 557' FWL

NW/SW Section 21-T9S-R16E

Duchesne Co, Utah

API # 43-013-33143; Lease # UTU-74392

TW 11/01/11

Federal 15-20-9-16

Spud Date: 6-13-07
 Put on Production: 08-14-07
 GL: 6153' KB: 6165'

Injection Wellbore
DiagramSURFACE CASING

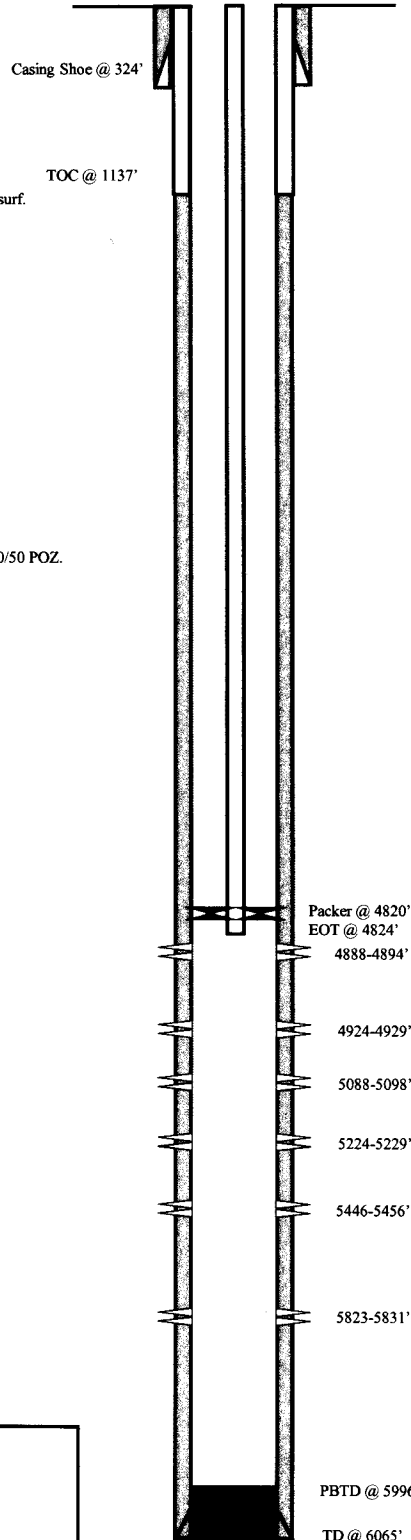
CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts (312.79')
 DEPTH LANDED: 323.69' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sxs Class "G" cmt, est 8 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 139 jts. (6043.69')
 DEPTH LANDED: 6030.94' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 325 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.
 CEMENT TOP AT: 1137'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 153 jts (4803.5')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 4815.5' KB
 CE @ 4819.71'
 TOTAL STRING LENGTH: EOT @ 4824' KB

FRAC JOB

08-08-07 5823-5831' **Frac BS sands as follows:**
 19449# 20/40 sand in 339 bbls Lightning 17
 frac fluid. Treated @ avg press of 2516 psi
 w/avg rate of 24.8 BPM. ISIP 2815 psi. Calc
 flush: 5821 gal. Actual flush: 5292 gal.

08-08-07 5446-5456' **Frac CP1 sands as follows:**
 19887# 20/40 sand in 339 bbls Lightning 17
 frac fluid. Treated @ avg press of 2181 psi
 w/avg rate of 24.8 BPM. ISIP 2290 psi. Calc
 flush: 5444 gal. Actual flush: 4914 gal.

08-08-07 5224-5229' **Frac LODC sands as follows:**
 15479# 20/40 sand in 292 bbls Lightning 17
 frac fluid. Treated @ avg press of 2849 psi
 w/avg rate of 24.8 BPM. ISIP 2870 psi. Calc
 flush: 5222 gal. Actual flush: 4717 gal.

08-08-07 5088-5098' **Frac LODC sand as follows:**
 29995# 20/40 sand in 397 bbls Lightning 17
 frac fluid. Treated @ avg press of 2440 w/
 avg rate of 24.8 BPM. ISIP 2430 psi. Calc
 flush: 5086 gal. Actual flush: 4578 gal.

08-08-07 4888-4929' **Frac A1, & A.5 sand as follows:**
 31089# 20/40 sand in 391 bbls Lightning 17
 frac fluid. Treated @ avg press of 2233 w/
 avg rate of 24.8 BPM. ISIP 2255 psi. Calc
 flush: 4886 gal. Actual flush: 4830 gal.

4-10-08 **Major workover.** Acidized fracs and updated
 rod and tubing details.

07/15/11 **Pump Change.** Rods & tubing updated.

04/12/12 **Convert to Injection Well**

04/17/12 **Conversion MIT Finalized** - tbg detail
 updated

PERFORATION RECORD

08-02-07	5823-5831'	4 JSPF	32 holes
08-08-07	5446-5456'	4 JSPF	40 holes
08-08-07	5224-5229'	4 JSPF	20 holes
08-08-07	5088-5098'	4 JSPF	40 holes
08-08-07	4924-4929'	4 JSPF	20 holes
08-08-07	4888-4894'	4 JSPF	24 holes

NEWFIELD**Federal 15-20-9-16**

660' FSL & 1980' FEL

SW/SE Section 20-T9S-R16E

Duchesne Co, Utah

API # 43-013-33105; Lease # UTU-74391

FEDERAL 16-20-9-16

Spud Date: 05/29/07

Put on Production: 08/21/07

GL: 6129' KB: 6141'

Injection Wellbore
DiagramSURFACE CASING

CSG SIZE: 8-5/8"

GRADE: J-55

WEIGHT: 24#

LENGTH: 7 jts. (295.42')

DEPTH LANDED: 306.32' KB

HOLE SIZE: 12-1/4"

CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"

GRADE: J-55

WEIGHT: 15.5#

LENGTH: 155 jts. (5977.37')

DEPTH LANDED: 5978.62' KB

HOLE SIZE: 7-7/8"

CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#

NO. OF JOINTS: 144 jts (4536.4')

SEATING NIPPLE: 2-7/8" (1.10')

SN LANDED AT: 4548.4' KB

ON/OFF TOOL AT: 4549.5'

ARROW #1 PACKER CE AT: 4554.45'

XO 2-3/8 x 2-7/8 J-55 AT: 4558.2'

TBG PUP 2-3/8 J-55 AT: 4558.7'

X/N NIPPLE AT: 4562.8'

TOTAL STRING LENGTH: EOT @ 4564.4'

FRAC JOB

08/13/07 5440-5453'

Frac CPI sands as follows:

29557# 20/40 sand in 412 bbls Lightning 17 frac fluid. Treated @ avg press of 2090 psi w/avg rate of 24.5 BPM. ISIP 2215 psi. Calc flush: 5438 gal. Actual flush: 4956 gal.

08/16/07 5027-5035'

Frac LODC sands as follows:

19063# 20/40 sand in 311 bbls Lightning 17 frac fluid. Treated @ avg press of 2091 psi w/avg rate of 24.8 BPM. ISIP 2350 psi. Calc flush: 5025 gal. Actual flush: 4536 gal.

08/16/07 4771-4779'

Frac B1 sands as follows:

46260# 20/40 sand in 432 bbls Lightning 17 frac fluid. Treated @ avg press of 2079 psi w/avg rate of 24.8 BPM. ISIP 1940 psi. Calc flush: 4769 gal. Actual flush: 4326 gal.

08/16/07 4701-4709'

Frac C sands as follows:

108507# 20/40 sand in 795 bbls Lightning 17 frac fluid. Treated @ avg press of 2113 psi w/avg rate of 24.8 BPM. ISIP 1995 psi. Calc flush: 4698 gal. Actual flush: 4200 gal.

08/16/07 4596-4604'

Frac D2 sands as follows:

44879# 20/40 sand in 429 bbls Lightning 17 frac fluid. Treated @ avg press of 2001 psi w/avg rate of 24.8 BPM. ISIP 1840 psi. Calc flush: 4594 gal. Actual flush: 4536 gal.

02/04/14

Convert to Injection Well

02/05/14

Conversion MIT Finalized - update tbg detail

Cement Top @ 343'

SN @ 4548'

On Off Tool @ 4549'

Packer @ 4554'

X/N Nipple @ 4563'

EOT @ 4564'

4596-4604'

4701-4709'

4771-4779'

5027-5035'

5440-5453'

PBDT @ 5939'

TD @ 6060'

PERFORATION RECORD

08/07/07	5440-5453'	4 JSPF	52 holes
08/16/07	5027-5035'	4 JSPF	32 holes
08/16/07	4771-4779'	4 JSPF	32 holes
08/16/07	4701-4709'	4 JSPF	32 holes
08/16/07	4596-4604'	4 JSPF	32 holes

NEWFIELD**FEDERAL 16-20-9-16**

716'FSL & 920' FEL

SE/SE Section 20-T9S-R16E

Duchesne Co, Utah

API #43-013-33109; Lease # UTU-74391

Federal 13-21-9-16

Spud Date: 4-30-07

Put on Production: 7-30-07

GL: 6105' KB: 6117'

Injection Wellbore
Diagram**SURFACE CASING**

CSG SIZE: 8-5/8"

GRADE: J-55

WEIGHT: 24#

LENGTH: 7 jnts (312.15')

DEPTH LANDED: 324.01' KB

HOLE SIZE: 12-1/4"

CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"

GRADE: J-55

WEIGHT: 15.5#

LENGTH: 137 jts. (6025.88')

DEPTH LANDED: 6039.13' KB

HOLE SIZE: 7-7/8"

CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.

CEMENT TOP: surface.

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#

NO. OF JOINTS: 144 jts. (4526.0')

SEATING NIPPLE: 2-7/8" (1.10')

SN LANDED AT: 4538'

ON/OFF TOOL AT: 4539.1'

ARROW #1 PACKER CE AT: 4544.37'

XO 2-3/8 x 2-7/8 J-55 AT: 4548.1'

TBG PUP 2-3/8 J-55 AT: 4548.7'

X/N NIPPLE AT: 4554.8'

TOTAL STRING LENGTH: EOT @ 4556'

TOC @ Surface

Casing Shoe @ 324'

SN @ 4538'

On Off Tool @ 4539'

Packer 4544'

X/N Nipple @ 4555'
EOT @ 4556'

4597-4610'

4634-4638'

4640-4647'

4651-4656'

4662-4674'

4706-4714'

4826-4834'

5455-5464'

5938-5946'

PBTD @ 5993'

TD @ 6040'

FRAC JOB

7-25-07 5938-5946'

Frac BSC sands as follows:

14827# 20/40 sand in 293 bbls Lightning 17 frac fluid. Treated @ avg press of 1898 psi w/avg rate of 24.8 BPM. ISIP 1983 psi. Calc flush: 5936 gal. Actual flush: 5418 gal.

7-25-07 5455-5464'

Frac CPI sands as follows:

152957# 20/40 sand in 275 bbls Lightning 17 frac fluid. Treated @ avg press of 2098 psi w/avg rate of 24.7 BPM. ISIP 2085 psi. Calc flush: 5453 gal. Actual flush: 4914 gal.

7-26-07 4826-4834'

Frac B2 sands as follows:

45217# 20/40 sand in 434 bbls Lightning 17 frac fluid. Treated @ avg press of 2144 psi w/avg rate of 28.1 BPM. ISIP 2377 psi. Calc flush: 4824 gal. Actual flush: 4368 gal.

7-26-07 4706-4714'

Frac C sands as follows:

42292# 20/40 sand in 354 bbls Lightning 17 frac fluid. 24.8 BPM. ISIP 1463 psi.

2-19-08

Pump Change. Updated rod & tubing details.

05/15/09

Recompletion.

05/15/09 4597-4610'

Frac D3 & D2 sands as follows:

124935# 20/40 sand in 1196 bbls Lightning 17 frac fluid. 26 BPM. ISIP 1764 psi.

04/19/10

Tubing Leak. Rod & Tubing Updated.

03/24/11

Tubing Leak. Rod & tubing details updated.

12/22/11

Tubing Leak: Rod & tubing details updated.

10/26/12

Convert to Injection Well

10/30/12

Conversion MIT Finalized - update tbg detail**PERFORATION RECORD**

7-18-07	5938-5946'	4 JSPF	32 holes
7-25-07	5455-5464'	4 JSPF	36 holes
7-25-07	4826-4834'	4 JSPF	32 holes
7-26-07	4706-4714'	4 JSPF	32 holes
5-16-09	4662-4674'	4 JSPF	48 holes
5-16-09	4651-4656'	4 JSPF	20 holes
5-16-09	4640-4647'	4 JSPF	28 holes
5-16-09	4634-4638'	4 JSPF	16 holes
5-16-09	4597-4610'	4 JSPF	52 holes

NEWFIELD**Federal 13-21-9-16**

811' FSL & 687' FWL

SW/SW Section 21-T9S-R16E

Duchesne Co, Utah

API #43-013-33142; Lease #UTU-74392

Federal 14-21-9-16

Spud Date: 6-22-07

Put on Production: 7-27-07

GL: 6052' KB: 6064'

Injection Wellbore
DiagramSURFACE CASING

CSG SIZE: 8-5/8"

GRADE: J-55

WEIGHT: 24#

LENGTH: 7 jnts (311.59')

DEPTH LANDED: 323.44' KB

HOLE SIZE: 12-1/4"

CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"

GRADE: J-55

WEIGHT: 15.5#

LENGTH: 138 jts. (6006.31')

DEPTH LANDED: 6019.56' KB

HOLE SIZE: 7-7/8"

CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.

CEMENT TO SURFACE: 332'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#

NO. OF JOINTS: 143 jts (4460.6')

SEATING NIPPLE: 2-7/8" (1.10')

SN LANDED AT: 4472.6' KB

ON/OFF TOOL AT: 4473.7'

ARROW #1 PACKER CE AT: 4478.9'

SWEDGE AT: 4482.5'

TBG PUP 2-3/8 J-55 AT: 4483'

X/N NIPPLE AT: 4487.1'

TOTAL STRING LENGTH: EOT @ 4488.94'

FRAC JOB

7-23-07 5910-5916'

Frac BSC sands as follows:

15064# 20/40 sand in 286 bbls Lightning 17 frac fluid. Treated @ avg press of 1992 psi w/avg rate of 24.7 BPM. ISIP 2266 psi. Calc flush: 5908 gal. Actual flush: 5334 gal.

7-23-07 5098-5114'

Frac LODC sands as follows:

109920# 20/40 sand in 810 bbls Lightning 17 frac fluid. Treated @ avg press of 2714 psi w/avg rate of 24.9 BPM. ISIP 3464 psi. Calc flush: 5096 gal. Actual flush: 4591 gal.

7-23-07 5010-5018'

Frac LODC sands as follows:

15148# 20/40 sand in 263 bbls Lightning 17 frac fluid. Treated @ avg press of 3213 psi w/avg rate of 24.9 BPM. ISIP 3464 psi. Calc flush: 5008 gal. Actual flush: 4494 gal.

7-24-07

A3 Snds would not break down – decision made to skip A3 sds.

7-24-07 4522-4612'

Frac D1, D1, D2, D3 sands as follows:

122380# 20/40 sand in 848 bbls Lightning 17 frac fluid. Treated @ avg press of 1681 psi w/avg rate of 24.9 BPM. ISIP 1905 psi. Calc flush: 4520 gal. Actual flush: 4410 gal.

04/04/08

Pump Change. Rod & Tubing detail updated

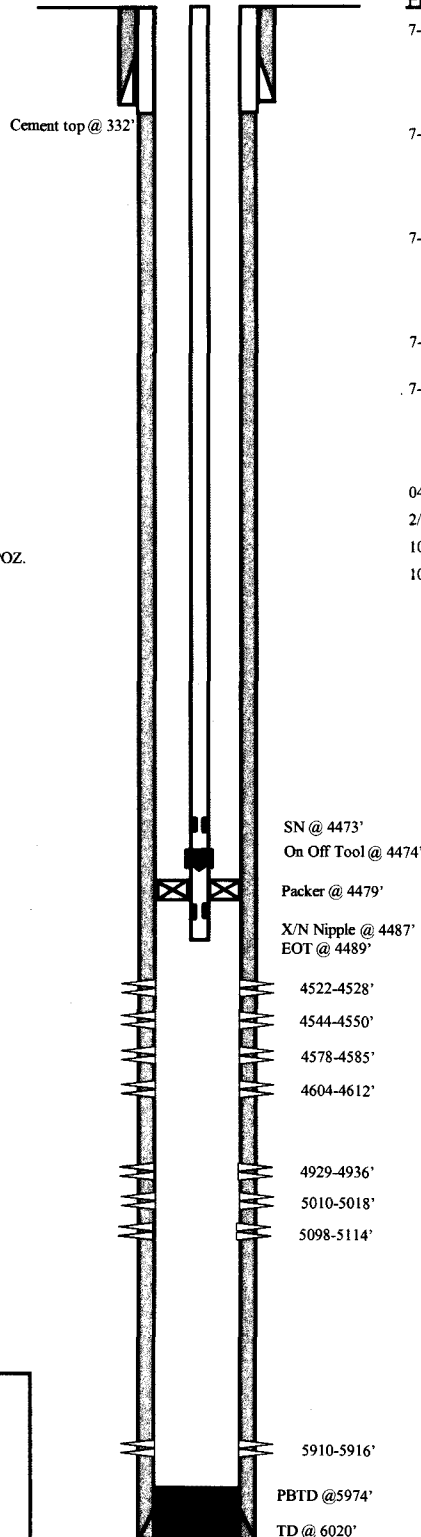
2/27/12

Parted Rods. Updated rod & tubing detail.

10/14/13

Convert to Injection Well

10/16/13

Conversion MIT Finalized – update tbg detailPERFORATION RECORD

7-13-07	5910-5916'	4 JSPF	24 holes
7-23-07	5098-5114'	4 JSPF	64 holes
7-23-07	5010-5018'	4 JSPF	32 holes
7-23-07	4929-4936'	4 JSPF	28 holes
7-24-07	5604-5612'	4 JSPF	32 holes
7-24-07	4578-4585'	4 JSPF	28 holes
7-24-07	4544-4550'	4 JSPF	24 holes
7-24-07	4522-4528'	4 JSPF	24 holes

NEWFIELD**Federal 14-21-9-16**

797' FSL & 1993' FWL

SE/SW Section 21-T9S-R16E

Duchesne Co, Utah

API #43-013-33141; Lease #UTU-74392

LCN 10/18/13

Federal 1-29-9-16

Spud Date: 4/20/2009

Put on Production: 7/24/2009

GL: 6171' KB: 6183'

Injection Wellbore
DiagramSURFACE CASING

CSG SIZE: 8-5/8"

GRADE: J-55

WEIGHT: 24#

LENGTH: 7 jts (269')

DEPTH LANDED: 320' KB

HOLE SIZE: 12-1/4"

CEMENT DATA: 160 sx class 'g' cmt

PRODUCTION CASING

CSG SIZE: 5-1/2"

GRADE: J-55

WEIGHT: 15.5#

LENGTH: 149 jts (5904')

DEPTH LANDED: 5904.02'

CEMENT DATA: 275 sx Prem. Lite and 400 sx 50/50 poz

CEMENT TOP AT: 102'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#

NO. OF JOINTS: 143 jts (4495.2')

SEATING NIPPLE: 2-7/8" (1.10')

SN LANDED AT: 4507.2' KB

ON/OFF TOOL AT: 4508.3'

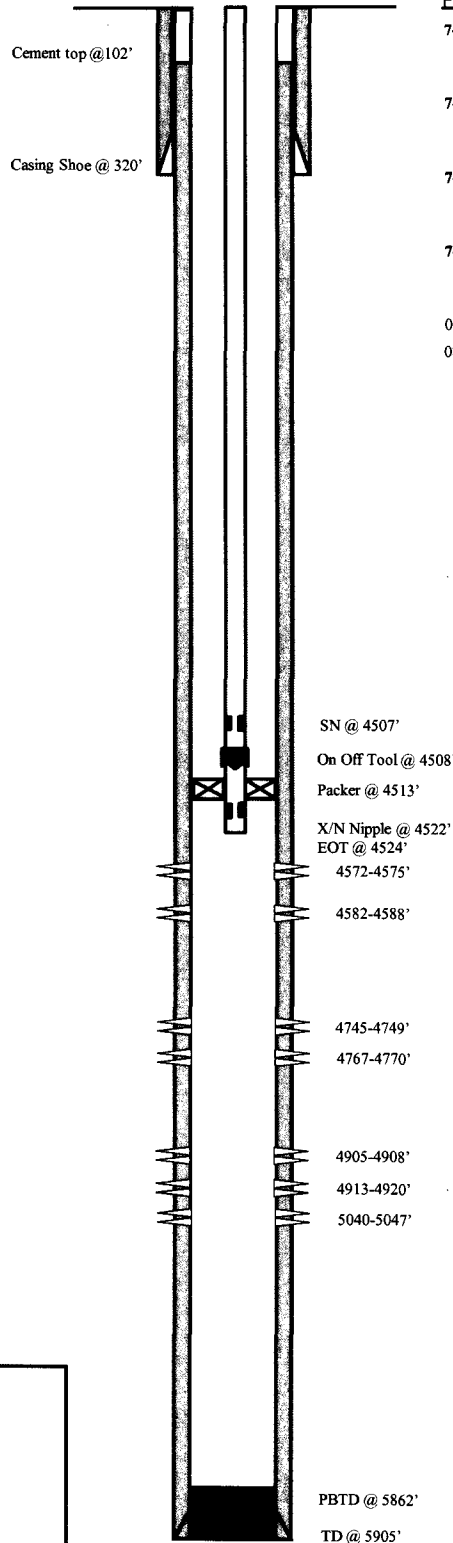
ARROW #1 PACKER CE AT: 4513.51'

XO 2-3/8 x 2-7/8 J-55 AT: 4517.7'

TBG PUP 2-3/8 J-55 AT: 4518.3'

X/N NIPPLE AT: 4522.4'

TOTAL STRING LENGTH: EOT @ 4523.93'

FRAC JOB

7-24-09	5040-5047'	Frac LODC sands as follows: Frac with 44,434# 20/40 sand in 204 bbls of Lightning 17 fluid.
7-24-09	4905-4920'	Frac A1 sands as follows: Frac with 115222# 20/40 sand in 483 bbls of Lightning 17 fluid.
7-24-09	4745-4770'	Frac B1 & B.5 sands as follows: Frac with 14402# 20/40 sand in 88 bbls of Lightning 17 fluid.
7-24-09	4572-4588'	Frac D2 sands as follows: Frac with 67875# 20/40 sand in 296 bbls of Lightning 17 fluid.
08/21/13		Convert to Injection Well
08/22/13		Conversion MIT Finalized – update tbg detail

PERFORATION RECORD

5040-5047'	3 JSPF	21 holes
4913-4920'	3 JSPF	21 holes
4905-4908'	3 JSPF	9 holes
4767-4770'	3 JSPF	9 holes
4745-4749'	3 JSPF	12 holes
4582-4588'	3 JSPF	18 holes
4572-4575'	3 JSPF	9 holes

NEWFIELD**Federal 1-29-9-16**

758' FNL & 655' FEL NE/NE

Section 29-T9S-R16E

Duchesne Co, Utah

API # 43-013-33423; Lease # UTU-74391

Spud Date: 6/22/2009
 Put on Production: 7/28/2009
 GL: 6097' KB: 6109'

Federal 3-28-9-16

Injection Wellbore
DiagramSURFACE CASING

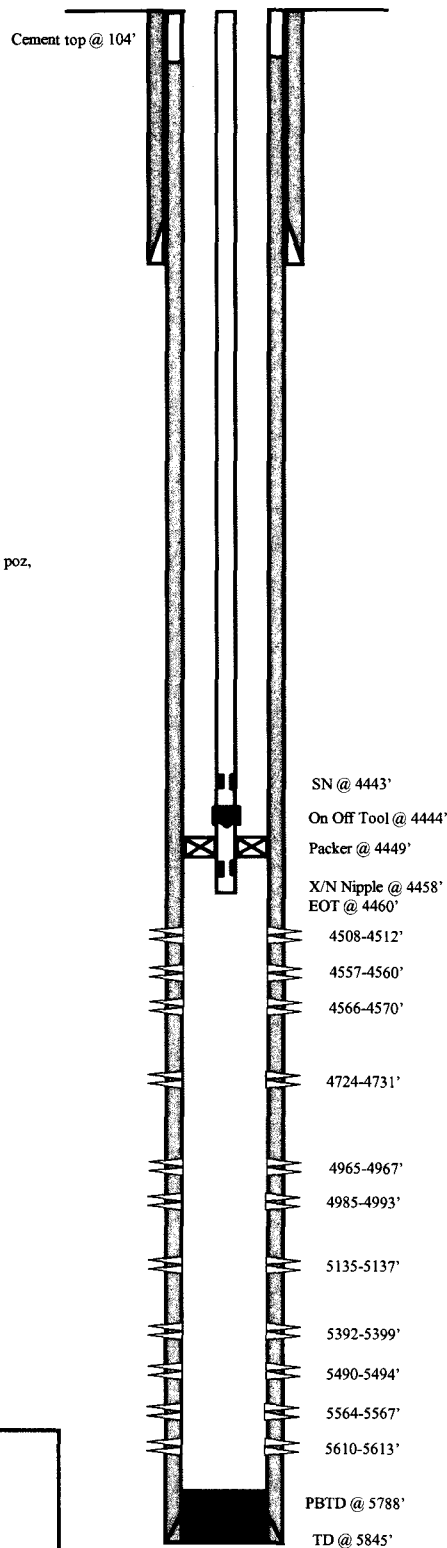
CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts (269')
 DEPTH LANDED: 317' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sx class 'G' cmt

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 149 jts (5821')
 DEPTH LANDED: 5836'
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 296 sx Prem. Lite mixed and 450 sx 50/50 poz,
 CEMENT TOP AT: 104'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 141 jts (4431.2')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 4443.2' KB
 ON/OFF TOOL AT: 4444.3'
 ARROW #1 PACKER CE AT: 4449.52'
 XO 2-3/8 x 2-7/8 J-55 AT: 4453.69'
 TBG PUP 2-3/8 J-55 AT: 4454.24'
 X/N NIPPLE AT: 4458.39'
 TOTAL STRING LENGTH: EOT @ 4459.9'

FRAC JOB

7/28/2009 5490-5613' Frac CP4, CP 3, & CP5 sands as follows: Frac with 30,556#s of 20/40 sand in 182 bbls of Lightning 17 frac fluid.
 7/28/2009 4965-5399' Frac LODC & CPI sands as follows: Frac with 30,596#s of 20/40 sand in 159 bbls of Lightning 17 frac fluid.
 7/28/2009 4724-4731' Frac B1 sands as follows: Frac with 14782#s of 20/40 sand in 86 bbls of Lightning 17 frac fluid.
 7/28/2009 4508-4570' Frac D1 & D2 sands as follows: Frac with 100042#s of 20/40 sand in 430 bbls of Lightning 17 frac fluid.
 3/12/12 Tubing leak: Updated rod & tubing detail
 08/27/13 Convert to Injection Well
 08/29/13 Conversion MIT Finalized - update tbg detail

PERFORATION RECORD

5610-5613'	3 JSPF	9 holes
5564-5567'	3 JSPF	9 holes
5490-5494'	3 JSPF	12 holes
5392-5399'	3 JSPF	21 holes
5135-5137'	3 JSPF	6 holes
4985-4993'	3 JSPF	24 holes
4965-4967'	3 JSPF	6 holes
4724-4731'	3 JSPF	21 holes
4566-4570'	3 JSPF	12 holes
4557-4560'	3 JSPF	9 holes
4508-4512'	3 JSPF	12 holes

NEWFIELD**Federal 3-28-9-16**

651' FNL & 1801' FWL
 NE/NW Section 28-T9S-R16E
 Duchesne Co, Utah
 API # 43-013-33408; Lease # UTU-74392

Federal 2-29-9-16

Spud Date: 4/28/2009
Put on Production: 7/312/009

GL: 6198' KB: 6210'

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts (271.62')
DEPTH LANDED: 323.45' KB
HOLE SIZE: 12-1/4"
CEMENT DATA: 160 sx class 'G' cmt

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 151 jts (5873.42')
DEPTH LANDED: 5925.97'
HOLE SIZE: 7-7/8"
CEMENT DATA: 275 sx Prem Lite II and 400 sx 50/50 poz
CEMENT TOP AT: 140'

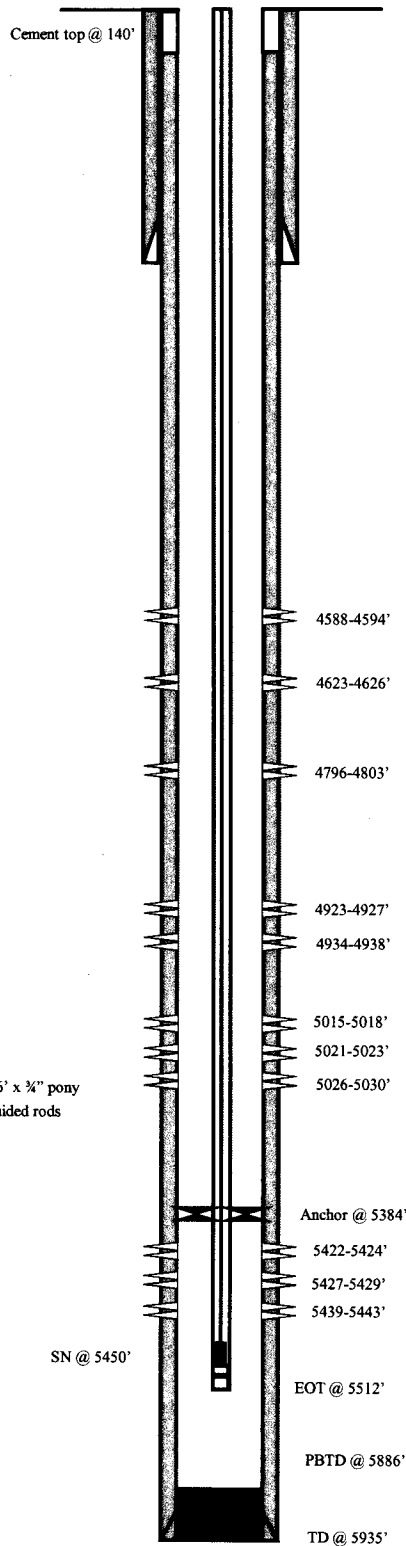
TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 171 jts (5374.2')
TUBING ANCHOR: 5384.2' KB
NO. OF JOINTS: 2 jts (63.1')
SEATING NIPPLE: 2-7/8" (1.1')
SN LANDED AT: 5450.1' KB
NO. OF JOINTS: 2 jts (60.8')
TOTAL STRING LENGTH: EOT @ 5512'

SUCKER RODS

POLISHED ROD: 1 1/2" x 26'
SUCKER RODS: 1 - 2' x 3/4" pony rod, 1 - 4' x 3/4" pony rod, 1 - 6' x 3/4" pony rod, 99 - 3/4" guided rods (4per), 65 - 3/4" sucker rods, 47 - 3/4" guided rods (4per), 6 - 1 1/2" weight bars.
PUMP SIZE: 2 1/2 x 1 1/2 x 16' x 20'
STROKE LENGTH: 74
PUMP SPEED, SPM: 5

Wellbore Diagram

**FRAC JOB**

8-2-09 5422-5443' Frac CP1 sands as follows: Frac with 19,772# 20/40 sand in 167 bbls of Lightning 17 fluid.
8-2-09 5015-5030' Frac LODC sands as follows: Frac with 40,496# 20/40 sand in 262 bbls of Lightning 17 fluid.
8-2-09 4923-4938' Frac A1 sands as follows: Frac with 75,830# 20/40 sand in 461 bbls of Lightning 17 fluid.
8-2-09 4796-4803' Frac B2 sands as follows: Frac with 30,004# 20/40 sand in 246 bbls of Lightning 17 fluid.
8-2-09 4588-4626' Frac D2/D3 sands as follows: Frac with 87,549# 20/40 sand in 636 bbls of Lightning 17 fluid.
1-27-10 Tubing Leak. Updated rod and tubing detail.
3/18/2010 Tubing Leak. Updated rod and tubing detail.

PERFORATION RECORD

5439-5443'	3 JSPF	12 holes
5427-5429'	3 JSPF	6 holes
5422-5424'	3 JSPF	6 holes
5026-5030'	3 JSPF	12 holes
5021-5023'	3 JSPF	6 holes
5015-5018'	3 JSPF	9 holes
4934-4938'	3 JSPF	12 holes
4923-4927'	3 JSPF	12 holes
4796-4803'	3 JSPF	21 holes
4623-4626'	3 JSPF	9 holes
4588-4594'	3 JSPF	18 holes

NEWFIELD

Federal 2-29-9-16

693' FNL & 2146' FEL NW/NE

Section 29-T9S-R16E

Duchesne Co, Utah

API # 43-013-33424; Lease # UTU-74391

Well Name: GMBU Q-21-9-16

43-013-52337

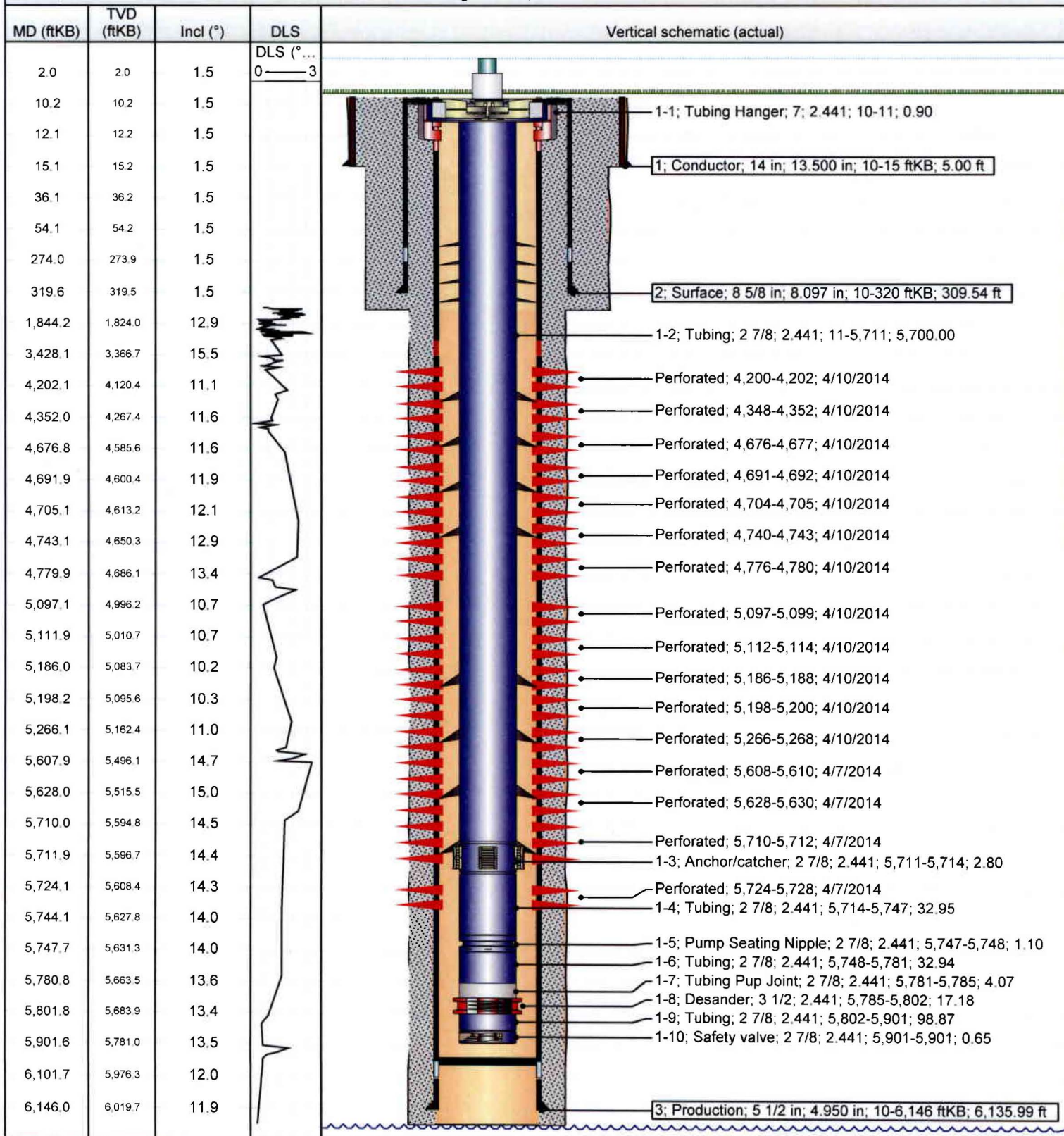
Surface Legal Location SWSW 843 FSL 716 FWL Sec 21 T9S R16E				API/UWI 43013523370000	Well RC 500346456	Lease UTU74392	State/Province Utah	Field Name GMBU CTB6	County Duchesne
Spud Date 3/18/2014	Rig Release Date 3/21/2014	On Production Date 4/17/2014	Original KB Elevation (ft) 6,120	Ground Elevation (ft) 6,110	Total Depth All (TVD) (ftKB) Original Hole - 6,031.4		PBSD (All) (ftKB) Original Hole - 6,100.0		

Most Recent Job

Job Category Initial Completion	Primary Job Type Fracture Treatment	Secondary Job Type P&P	Job Start Date 4/7/2014	Job End Date 4/17/2014
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TD: 6,158.0

Slant - Original Hole, 4/22/2014 2:53:59 PM



Well Name: GMBU D-28-9-16

43-013-52338

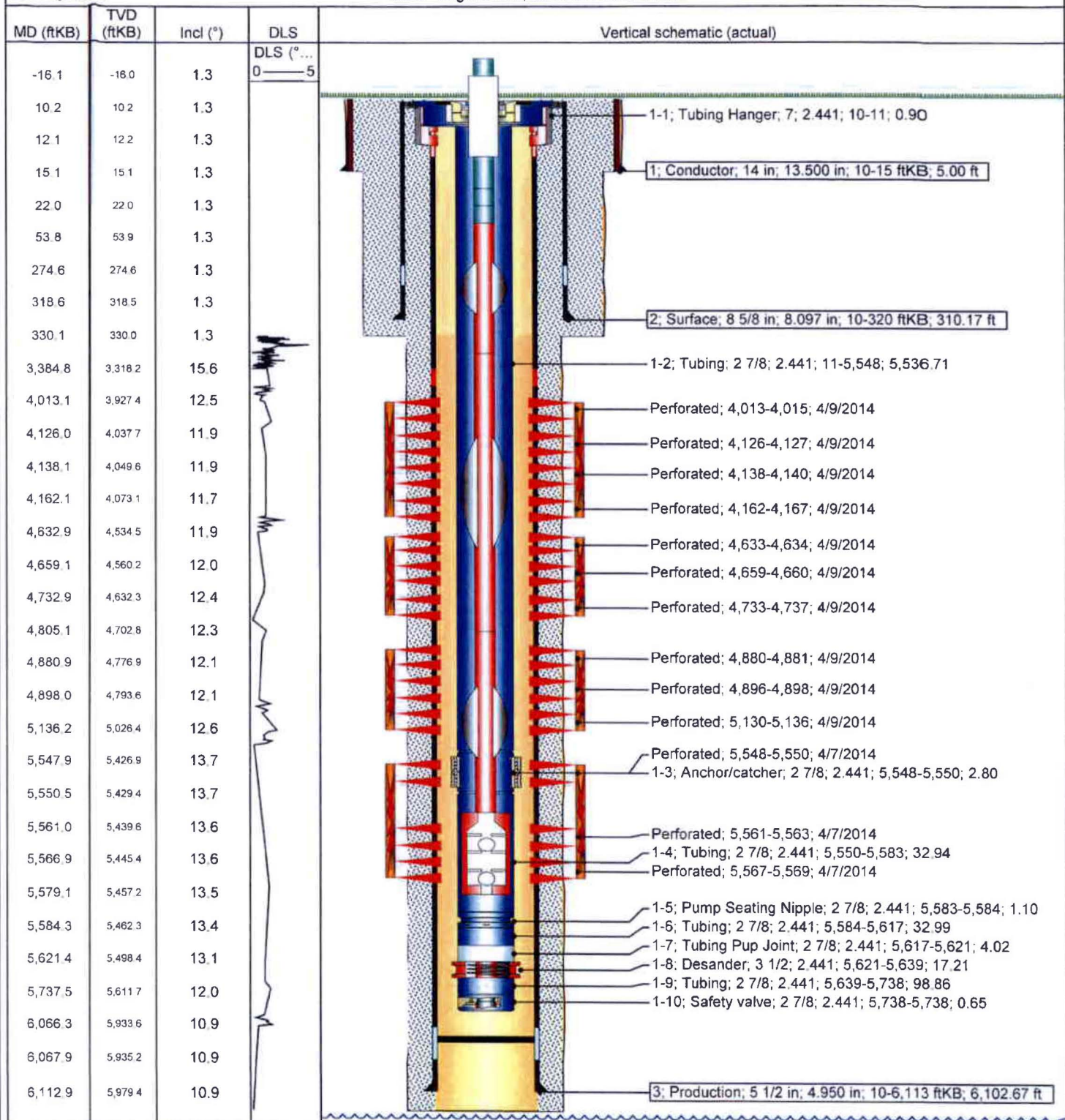
Surface Legal Location	API/UWI	Well RC	Lease	State/Province	Field Name	County
SWSW 829 FSL 700 FWL Sec 21 T9S R16E	43013523380000	500346442	UTU74392	Utah	GMBU CTB6	Duchesne
Spud Date	Rig Release Date	On Production Date	Original KB Elevation (ft)	Ground Elevation (ft)	Total Depth All (TVD) (ftKB)	PBTD (All) (ftKB)
3/6/2014	3/18/2014	4/17/2014	6,120	6,110	Original Hole - 5,985.4	Original Hole - 6,066.5

Most Recent Job

Job Category	Primary Job Type	Secondary Job Type	Job Start Date	Job End Date
Initial Completion	Fracture Treatment	P&P	4/7/2014	4/14/2014

TD: 6,119.0

Slant - Original Hole, 5/20/2014 9:05:17 AM



Multi-Chem Analytical Laboratory

1553 East Highway 40

Vernal, UT 84078

multi-chem®

A HALLIBURTON SERVICE

Units of Measurement: **Standard**

Water Analysis Report

Production Company: **NEWFIELD PRODUCTION**Sales Rep: **Pete Prodromides**Well Name: **FEDERAL 4-28-9-16**Lab Tech: **Gary Winegar**

Sample Point:

Sample Date: **1/24/2014**Sample ID: **WA-264567**Scaling potential predicted using ScaleSoftPitzer from
Brine Chemistry Consortium (Rice University)

Sample Specifics		Analysis @ Properties in Sample Specifics			
Test Date:	1/24/2014	Cations		Anions	
System Temperature 1 (°F):	120	Sodium (Na):	5082.00	Chloride (Cl):	10000.00
System Pressure 1 (psig):	60	Potassium (K):	40.00	Sulfate (SO4):	41.00
System Temperature 2 (°F):	210	Magnesium (Mg):	5.50	Bicarbonate (HCO3):	3660.00
System Pressure 2 (psig):	60	Calcium (Ca):	10.00	Carbonate (CO3):	
Calculated Density (g/ml):	1.009	Strontium (Sr):	5.00	Acetic Acid (CH3COO)	
pH:	8.30	Barium (Ba):	76.00	Propionic Acid (C2H5COO)	
Calculated TDS (mg/L):	18920.44	Iron (Fe):	0.88	Butanoic Acid (C3H7COO)	
CO2 in Gas (%):		Zinc (Zn):	0.04	Isobutyric Acid ((CH3)2CHCOO)	
Dissolved CO2 (mg/L):	0.00	Lead (Pb):	0.00	Fluoride (F):	
H2S in Gas (%):		Ammonia NH3:		Bromine (Br):	
H2S in Water (mg/L):	40.00	Manganese (Mn):	0.02	Silica (SiO2):	

Notes:

AI=13

B=20.5

LI=1.3

(PTB = Pounds per Thousand Barrels)

		Calcium Carbonate		Barium Sulfate		Iron Sulfide		Iron Carbonate		Gypsum CaSO4·2H2O		Celestite SrSO4		Halite NaCl		Zinc Sulfide	
Temp (°F)	PSI	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
210.00	60.00	1.54	8.48	1.31	29.88	3.46	0.48	2.64	0.64	0.00	0.00	0.00	0.00	0.00	0.00	8.64	0.02
200.00	60.00	1.48	8.44	1.33	30.02	3.44	0.48	2.59	0.64	0.00	0.00	0.00	0.00	0.00	0.00	8.72	0.02
190.00	60.00	1.43	8.40	1.35	30.20	3.43	0.48	2.54	0.64	0.00	0.00	0.00	0.00	0.00	0.00	8.80	0.02
180.00	60.00	1.38	8.36	1.37	30.40	3.42	0.48	2.48	0.64	0.00	0.00	0.00	0.00	0.00	0.00	8.89	0.02
170.00	60.00	1.33	8.31	1.40	30.62	3.42	0.48	2.43	0.64	0.00	0.00	0.00	0.00	0.00	0.00	8.99	0.02
160.00	60.00	1.28	8.25	1.43	30.88	3.42	0.48	2.37	0.64	0.00	0.00	0.00	0.00	0.00	0.00	9.10	0.02
150.00	60.00	1.24	8.20	1.47	31.15	3.43	0.48	2.32	0.64	0.00	0.00	0.00	0.00	0.00	0.00	9.21	0.02
140.00	60.00	1.19	8.14	1.52	31.45	3.45	0.48	2.26	0.64	0.00	0.00	0.00	0.00	0.00	0.00	9.34	0.02
130.00	60.00	1.15	8.08	1.57	31.76	3.47	0.48	2.20	0.63	0.00	0.00	0.00	0.00	0.00	0.00	9.47	0.02
120.00	60.00	1.12	8.03	1.63	32.08	3.51	0.48	2.14	0.63	0.00	0.00	0.00	0.00	0.00	0.00	9.61	0.02

Multi-Chem Analytical Laboratory

1553 East Highway 40

Vernal, UT 84078

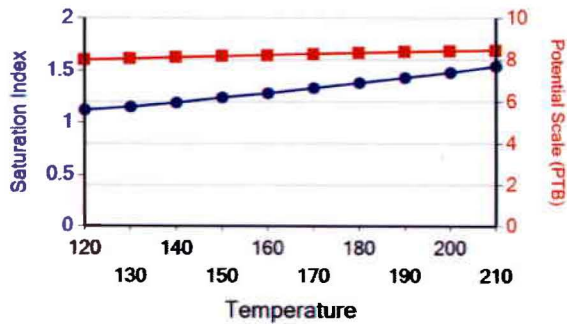
Water Analysis Report

Temp (°F)	PSI	Hemihydrate CaSO ₄ ·0.5H ₂ O		Anhydrate CaSO ₄		Calcium Fluoride		Zinc Carbonate		Lead Sulfide		Mg Silicate		Ca Mg Silicate		Fe Silicate	
		SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
210.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.08	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
190.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.92	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.83	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.63	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.53	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.42	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.30	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

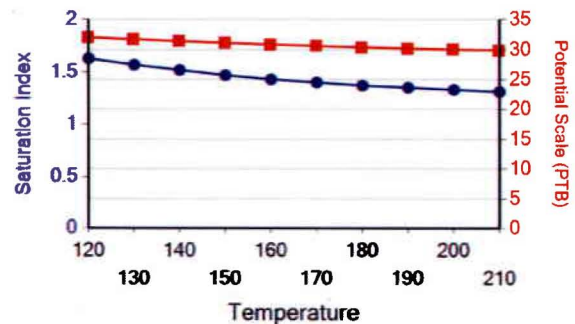
These scales have positive scaling potential under initial temperature and pressure: Calcium Carbonate Barium Sulfate Iron Sulfide Iron Carbonate Zinc Sulfide Zinc Carbonate

These scales have positive scaling potential under final temperature and pressure: Calcium Carbonate Barium Sulfate Iron Sulfide Iron Carbonate Zinc Sulfide Zinc Carbonate

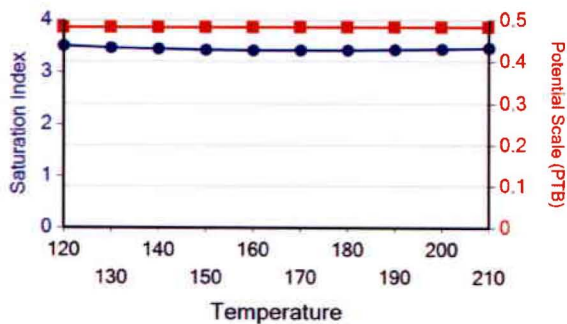
Calcium Carbonate



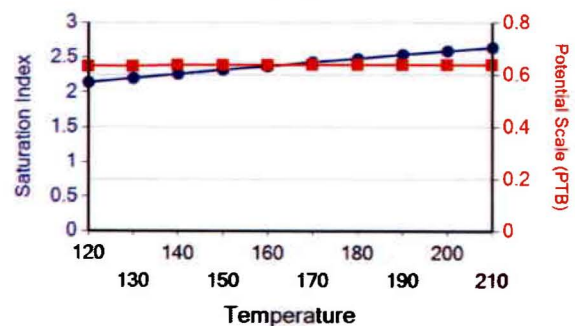
Barium Sulfate



Iron Sulfide

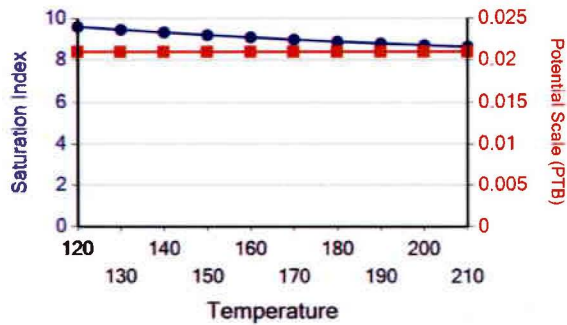


Iron Carbonate

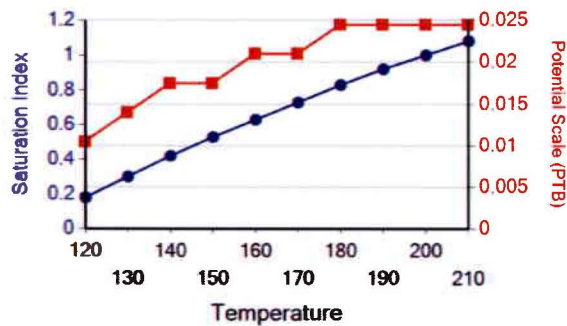


Water Analysis Report

Zinc Sulfide



Zinc Carbonate



ATTACHMENT F

4 of 5

Multi-Chem Analytical Laboratory

1553 East Highway 40

Vernal, UT 84078

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A HALLIBURTON SERVICE

Units of Measurement: **Standard**

Water Analysis Report

Production Company: **NEWFIELD PRODUCTION**
Well Name: **WELLS DRAW INJ FACILITY**
Sample Point: **Commingle After Filter**
Sample Date: **11/18/2013**
Sample ID: **WA-259493**

Sales Rep: **Jacob Bird**
Lab Tech: **Gary Winegar**

Scaling potential predicted using ScaleSoftPitzer from
Brine Chemistry Consortium (Rice University)

Sample Specifics		Analysis @ Properties in Sample Specifics			
Test Date:	11/28/2013	Cations	mg/L	Anions	mg/L
System Temperature 1 (°F):	120	Sodium (Na):	141.00	Chloride (Cl):	1000.00
System Pressure 1 (psig):	2000	Potassium (K):	39.00	Sulfate (SO4):	41.00
System Temperature 2 (°F):	210	Magnesium (Mg):	24.00	Bicarbonate (HCO3):	1122.00
System Pressure 2 (psig):	2000	Calcium (Ca):	41.00	Carbonate (CO3):	
Calculated Density (g/ml):	0.999	Strontium (Sr):	0.70	Acetic Acid (CH3COO)	
pH:	6.50	Barium (Ba):	0.00	Propionic Acid (C2H5COO)	
Calculated TDS (mg/L):	2413.76	Iron (Fe):	0.11	Butanoic Acid (C3H7COO)	
CO2 in Gas (%):		Zinc (Zn):	0.03	Isobutyric Acid ((CH3)2CHCOO)	
Dissolved CO2 (mg/L):	24.00	Lead (Pb):	0.00	Fluoride (F):	
H2S in Gas (%):		Ammonia NH3:		Bromine (Br):	
H2S in Water (mg/L):	0.00	Manganese (Mn):	0.00	Silica (SiO2):	4.92

Notes:

B=.4 AI=.18 LI=0

(PTB = Pounds per Thousand Barrels)

		Calcium Carbonate		Barium Sulfate		Iron Sulfide		Iron Carbonate		Gypsum CaSO4 2H2O		Celestite SrSO4		Halite NaCl		Zinc Sulfide	
Temp (°F)	PSI	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
210.00	2000.00	0.31	15.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	2000.00	0.22	12.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
190.00	2000.00	0.14	7.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.00	2000.00	0.06	3.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

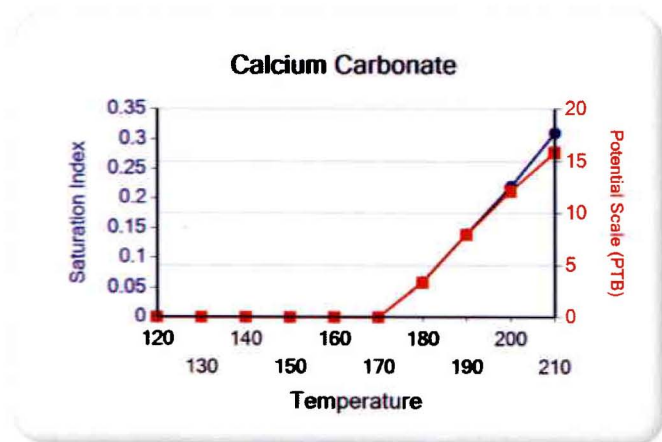
5085

Water Analysis Report

Temp (°F)	PSI	Hemihydrate CaSO ₄ ·0.5H ₂ O		Anhydrate CaSO ₄		Calcium Fluoride		Zinc Carbonate		Lead Sulfide		Mg Silicate		Ca Mg Silicate		Fe Silicate	
		SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
210.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
190.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

These scales have positive scaling potential under initial temperature and pressure: Calcium Carbonate

These scales have positive scaling potential under final temperature and pressure:



Attachment "G"

**Federal #4-28-9-16
Proposed Maximum Injection Pressure**

Frac Interval (feet)		Avg. Depth (feet)	ISIP (psi)	Calculated Frac Gradient (psi/ft)	Pmax
Top	Bottom				
5411	5695	5553	2350	0.87	2315
4921	5038	4980	2260	0.89	2228
4686	4697	4692	1873	0.83	1843
4528	4557	4543	1691	0.81	1662 ←
4002	4040	1314	1836	0.89	1810
				Minimum	<u>1662</u>

Calculation of Maximum Surface Injection Pressure

$P_{max} = (\text{Frac Grad} - (0.433 \times 1.015)) \times \text{Depth of Top Perf}$
where pressure gradient for the fresh water is .433 psi/ft and
specific gravity of the injected water is 1.015.

$\text{Frac Gradient} = (\text{ISIP} + (0.433 \times \text{Top Perf.})) / \text{Top Perf.}$

Please note: These are existing perforations; additional perforations may be added during the actual conversion procedure.

Daily Activity Report**Format For Sundry****FEDERAL 4-28-9-16****6/1/2009 To 10/30/2009****7/29/2009 Day: 1****Completion**

Rigless on 7/29/2009 - Run CBL & shoot first stage. - Install 5M frac head. NU 6" 5M Cameron BOP. RU H/O truck & pressure test casing, blind rams, frac head & casing valves to 4500 psi. RU Perforators LLC WLT w/ mast & run CBL under pressure. WLTD @ 5787' cement top @ 160'. Perforate stage #1. CP1 sds @ 5411-14' & 5417-20', CP4 sds @ 5604-06' & CP5 sds @ 5692-95' w/ 3 1/8" slick guns (11 gram, .36" EH, 120°, 16.82" pen, PPG-3111-301 Titan) w/ 3 spf for total of 33 shots. 139 BWTR. SWIFN.

Daily Cost: \$0**Cumulative Cost: \$12,873**

8/3/2009 Day: 2**Completion**

Rigless on 8/3/2009 - Frac well. - Stage #1: RU BJ Services "Ram Head" frac flange. RU BJ & frac CP sds down casing w/ 20,0331#'s of 20/40 sand in 337 bbls of Lightning 17 frac fluid. Open well w/ 0 psi on casing. Perfs broke down @ 2991 psi back to 2200 psi w/ 5 bbls of fluid @ 3 bpm. ISIP was 2020 w/ .88FG. 1 min was 1750 psi. 4 min was 1567 psi. Pump 30 gals of Techni Hib chemical @ 4% by volume. Treated @ ave pressure of 3097 w/ ave rate of 41 bpm w/ 6 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 2350 w/ .86FG. 5 min was 2000 psi. 10 min was 1895 psi. 15 min was 1834 psi. 337 Bbls EWTR. Leave pressure on well. See stage #2. - Stage #2: RU PSI WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" (6K) composite flow through frac plug & 4', 7' perf guns. Set plug @ 5140'. Perforate LODC sds @ 5034-38' & A1 sds @ 4921-28' w/ 3-1/8" Slick Guns (16g, .34"EH, 120°) w/ 3 spf for total of 33 shots. RU BJ & frac w/ 55,558#'s of 20/40 sand in 497 bbls of Lightning 17 frac fluid. Open well w/ 1547 psi on casing. Perfs broke down @ 3931 psi back to 1424 psi w/ 3 bbls of fluid @ 3 bpm. Pressure to low. Pump 30 gals of Techni Hib chemical @ 4% by volume. Treated @ ave pressure of 2725 w/ ave rate of 41 bpm w/ 8 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 2260 w/ .89FG. 5 min was 2036 . 10 min was 1842. 15 min was 1734. 834 Bbls EWTR. Leave pressure on well. SIFN.

Daily Cost: \$0**Cumulative Cost: \$50,657**

8/4/2009 Day: 3**Completion**

Rigless on 8/4/2009 - Frac well. Flow well back. - Stage #4: RU WLT. RIH w/ frac plug & 3', 7' perf guns. Set plug @ 4620'. Perforate D1 sds @ 4554-57' & 4528-35' w/ 3 spf for total of 30 shots. RU BJ & frac w/ 50,682#'s of 20/40 sand in 453 bbls of Lightning 17 frac fluid. Open well w/ 1328 psi on casing. Perfs broke down @ 4077 psi back to 1567 psi w/ 5 bbls of fluid @ 5 bpm. Pressure to low. Pump 30 gals of Techni Hib chemical @ 4% by volume. Treated @ ave pressure of 2818 w/ ave rate of 41 bpm w/ 8 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 1691 w/ .81FG. 5 min was 1574. 10 min was 1545. 15 min was 1499. 1891 Bbls EWTR. Leave pressure on well. - Stage #3: RU WLT. RIH w/ frac plug & 2', 7' perf guns. Set plug @ 4800'. Perforate C sds @ 4695-97' & 4686-93' w/ 3 spf for total of 27 shots. RU BJ & frac w/ 75,264#'s of 20/40 sand in 604 bbls of Lightning 17 frac fluid. Open well w/ 443 psi on casing. Perfs broke down @ 1566 psi back to 1200 psi w/ 5 bbls of fluid @ 5 bpm. ISIP was 1010 w/ .65FG. 1 min was 748. 3 min was 504. Pump 30 gals of Techni Hib chemical @ 4% by volume. Treated @ ave pressure of 2092 w/ ave rate of 30 bpm w/ 8 ppg

of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 1873 w/ .83FG. 5 min was 1741. 10 min was 1663. 15 min was 1586. 1438 Bbls EWTR. Leave pressure on well. - Stage #5: RU WLT. RIH w/ frac plug & 2',3',3',2' perf guns. Set plug @ 4140'. Perforate GB4 sds @ 4038-40', 4021-24', 4011-14', 4002-04' w/ 3 spf for total of 30 shots. RU BJ & frac w/ 86,985#'s of 20/40 sand in 670 bbls of Lightning 17 frac fluid. Open well w/ 1403 psi on casing. Perfs broke down @ 2879 psi back to 1308 psi w/ 5 bbls of fluid @ 5 bpm. Pressure to low. Pump 30 gals of Techni Hib chemical @ 4% by volume. Treated @ ave pressure of 1983 w/ ave rate of 41 bpm w/ 8 ppg of sand. ISIP was 1314 w/ .76FG. 5 min was 1235. 10 min was 1224. 15 min was 1199. 2561 Bbls EWTR. RD BJ & WLT. Flow well back. Well flowed for 3 hours & died w/ 400 bbls rec'd. 2161 bbls EWTR. SIFN.

Daily Cost: \$0

Cumulative Cost: \$105,541

8/5/2009 Day: 4

Completion

WWS #1 on 8/5/2009 - MIRUSU. Drlg plugs. - MIRUSU. Open well w/ psi on casing. RD Cameron BOP's & frac head. Instal 3M production tbg head & Schafer BOP's. RU 3/4" used Chomp mill & x-over sub. Tally, pickup, TIH w/ new J-55, 6.5#, 2-7/8" tbg off racks. Tag sand @ 4000'. RU swivel, pump & tanks. C/O to plug @ 4140'. Drlg out plug #1 in 10 min. TIH w/ tbg to tag plug @ 4620'. Drlg out plug #2. TIH w/ tbg to tag plug @ 4800'. Drlg out plug #3. TIH w/ tbg to tag plug @ 5140'. Drlg out plug #4. TIH w/ tbg to tag sand @ 5390'. Circulate well clean. SIFN.

Daily Cost: \$0

Cumulative Cost: \$139,211

8/7/2009 Day: 6

Completion

WWS #1 on 8/7/2009 - Put well on pump. - Open well w/ 0 psi on casing. Continue TOOH w/ tbg. LD mill & x-over sub. TIH w/ NC, 2 jts tbg, SN, 1 jt tbg, TA new Central Hydraulic w/ 45,000#'s shear, 179 jts tbg. RD BOP's. Set TA @ 5653' w/ 18,000#'s tension w/ SN @ 5687' & EOT @ 5752'. Flush tbg w/ 60 bbls water. Pickup & prime pump. TIH w/ 2-1/2" x 1-1/2" x 16' x 20' RHAC new Central Hydraulic pump w/ 180"SL, 6- 1-1/2" weight rods, 20- 3/4" guided rods, 100- 3/4" plain rods, 101- guided rods, 1-1/2" x 26' polish rod. Space pump. Test tbg & pump to 800 psi. POP @ 4PM w/ 84"SL @ 5 spm. RDMOSU. 2000 bbls EWTR. Final Report. - Open well w/ 0 psi on casing. Continue TOOH w/ tbg. LD mill & x-over sub. TIH w/ NC, 2 jts tbg, SN, 1 jt tbg, TA new Central Hydraulic w/ 45,000#'s shear, 179 jts tbg. RD BOP's. Set TA @ 5653' w/ 18,000#'s tension w/ SN @ 5687' & EOT @ 5752'. Flush tbg w/ 60 bbls water. Pickup & prime pump. TIH w/ 2-1/2" x 1-1/2" x 16' x 20' RHAC new Central Hydraulic pump w/ 180"SL, 6- 1-1/2" weight rods, 20- 3/4" guided rods, 100- 3/4" plain rods, 101- guided rods, 1-1/2" x 26' polish rod. Space pump. Test tbg & pump to 800 psi. POP @ 4PM w/ 84"SL @ 5 spm. RDMOSU. 2000 bbls EWTR. Final Report. - Open well w/ 0 psi on casing. RU swivel, pump & tanks. C/O 455' of sand to PBTB @ 5845'. RD swivel. LD 2 jts tbg. RU swab equipment. Made 13 runs & rec'd 130 bbls of fluid. Last run showed trace of oil & gas w/ no sand. FFL was 700'. RD swab. TIH w/ tbg & tag 8' of new sand. Circulate well clean. TOOH w/ tbg. Left EOT @ 1765'. SIFN. - Open well w/ 0 psi on casing. RU swivel, pump & tanks. C/O 455' of sand to PBTB @ 5845'. RD swivel. LD 2 jts tbg. RU swab equipment. Made 13 runs & rec'd 130 bbls of fluid. Last run showed trace of oil & gas w/ no sand. FFL was 700'. RD swab. TIH w/ tbg & tag 8' of new sand. Circulate well clean. TOOH w/ tbg. Left EOT @ 1765'. SIFN. **Finalized**

Daily Cost: \$0

Cumulative Cost: \$180,500

Pertinent Files: Go to File List

ATTACHMENT H

WORK PROCEDURE FOR PLUGGING AND ABANDONMENT

1. Set CIBP @ 3952'
2. Plug #1 Set 100' plug on top of CIBP using 12 sx Class "G" cement
3. Plug #2 167' balance plug using 20 sx Class "G" cement 50' above Trona-Bird's Nest extending 50' below base of Mahogany Oil Shale
4. Plug #3 120' balance plug using 14 sx Class "G" cement 60' above Uinta/Green River and extending 60' below
5. Plug #4 Pump 43 sx Class "G" cement down 5 ½" casing to 367'

The approximate cost to plug and abandon this well is \$42,000.

Federal 4-28-9-16

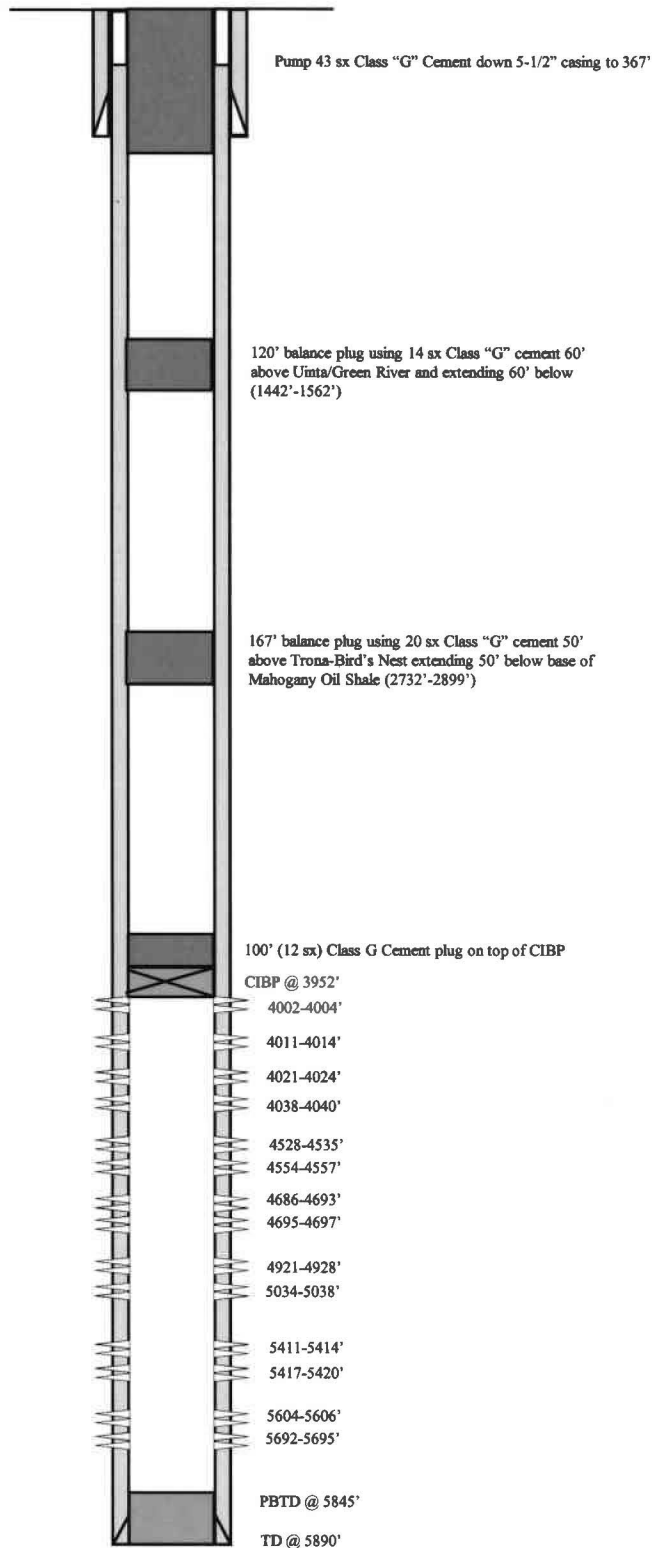
Spud Date: 6/24/2009
 Put on Production: 8/7/2009
 GL: 6157' KB: 6169'

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts (267.77')
 DEPTH LANDED: 316.80' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sx class 'G' cmt

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 150 jts (5833.3')
 DEPTH LANDED: 5885.91'
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 275 sx Prem Lite and 400 sx 50/50 Poz
 CEMENT TOP AT: 160'

Proposed P & A
Wellbore Diagram

NEWFIELD

Federal 4-28-9-16

560' FNL & 494' FWL NW/NW

Section 28-T9S-R16E

Duchesne Co, Utah

API # 43-013-33407; Lease # UTU-74392